

19990317.qrp v01_n398.qrl.990317

Date: Wed, 17 Mar 1999 19:03:23 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1398

QRP-L Digest 1398

Topics covered in this issue include:

- 1) [35729] Re: Why we're on 14.060
by "Alan Fryer" <n3bj@hotmail.com>
- 2) [35730] Chuck's Pictures of the Red Hot 40
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 3) [35731] Re: SST es KC1
by hw.merz@t-online.de (Hanns W. Merz)
- 4) [35732] Fort Smith Hamfest
by Jay Bromley <w5jay@alltel.net>
- 5) [35733] Re: Riley gets another one!!
by Peter Larsen <larsenp@cadvision.com>
- 6) [35734] Re: Why we're on 14.060
by Peter Larsen <larsenp@cadvision.com>
- 7) [35735] Re: Red Hot 40 Transceiver Photos
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 8) [35736] Re: Why we're on 14.060
by FrConrad@aol.com
- 9) [35737] FT 901 Problem
by RangerSF5@aol.com
- 10) [35738] Re: Why we're on 14.060
by "John J. McDonough" <jjmcd@tm.net>
- 11) [35739] Test Equipment
by Jeff Johns <jeffj@scott.net>
- 12) [35740] Help.
by Richard R Riordan <mrzip@sssn.net>
- 13) [35741] TEN-Tec Mailing List
by "Charles D. Feigley Sr." <wa8cul@gte.net>
- 14) [35742] Linux Log
by PHILLIPS RICHARD <phillips@msoe.edu>
- 15) [35743] Re: Why we're on 14.060
by olyellr@iglou.com
- 16) [35744] Dualband J-Pole Antenna Plans
by Jeff Johns <jeffj@scott.net>
- 17) [35745] 901 AGAIN*UPDATE*
by RangerSF5@aol.com
- 18) [35746] QRP'er needs help
by Jerry Parker <jparker@fix.net>
- 19) [35747] 15m cw qrp rig recommendation?

- by Stephen c Stuntz <n0bfqrp@juno.com>
- 20) [35748] Re: K2 and NC20 on-air reports
by DYARNES@aol.com
- 21) [35749] 30m Follies, or, The Curse of the Phantom Dits
by Joe Gervais <vole@primenet.com>
- 22) [35750] NVIS results at 165 miles
by Jim <w7ls@blarg.net>
- 23) [35751] Did any of you get this SPAM mail?
by "David Reid" <dareid@Synopsys.COM>
- 24) [35752] RE: 15m cw qrp rig recommendation?
by "Zhen Leao" <by2hit@qsl.net>
- 25) [35753] Re: Why we're on 14.060
by "Alan Fryer" <n3bj@hotmail.com>
- 26) [35754] prerogatives
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 27) [35755] prerogatives, cont
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 28) [35756] Re: Linux Log
by "dor" <elbc@pivot.net>
- 29) [35757] SV: Red Hot 40 Transceiver Photos
by "=?iso-8859-1?Q?Hans_Sundstr=F6m?=" <hans.sundstrom@telia.com>
- 30) [35758] Re: [GQRP] Did any of you get this SPAM mail?
by Dave Marling <dbm@klis.com>
- 31) [35759] Re: Legal Callsigns
by DNT1@daimlerchrysler.com
- 32) [35760] Re: SV: NC20 fun
by Wayne A Smith <k8ff@juno.com>
- 33) [35761] QRP Calling Frequencies - 6M
by Frank Alwine <n1gpy@together.net>
- 34) [35762] How does Sierra behaves in Europe?
by Paolo Sassoli <paolo.sassoli@italtel.it>
- 35) [35763] Re: Why we're on 14.060
by Bruce Muscolino <w6toy@erols.com>
- 36) [35764] QRP Rig for Sale
by "Malcolm Bussey" <mbussey@gte.net>
- 37) [35765] Have ya ever noticed ??
by Fred Bennett N9TA <N9TA@worldnet.att.net>
- 38) [35766] FW: Why we're on 14.060
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>
- 39) [35767] Re: Have ya ever noticed ??
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 40) [35768] Re: 901 AGAIN*UPDATE*
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 41) [35769] Viking Ranger wanted
by "Tom Moll" <tomm@xata.com>
- 42) [35770] unsubscribe info
by afpgreg@state.me.us (Paul V. Gregory)
- 43) [35771] The half-cycle theft (Off-topic but requested/interesting)

- by "Ed Tanton" <n4xy@mindspring.com>
- 44) [35772] Re: SV: Red Hot 40 Transceiver Photos
by Gary L Surrency <gsurrency@juno.com>
- 45) [35773] Thans to All
by "Charles D. Feigley Sr." <wa8cul@gte.net>
- 46) [35774] Re: Why we're on 14.060
by Joe Gervais <vole@primenet.com>
- 47) [35775] QRP + rig for sale
by Brien Pepperdine <pepperrb@govonca2.gov.on.ca>
- 48) [35776] CW ques, followup
by "Christopher Brewster" <brewsq@excite.com>
- 49) [35777] Re: SV: Red Hot 40 Transceiver Photos
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 50) [35778] Re: SV: Red Hot 40 Transceiver Photos
by John Levreault <jlevro@mediaone.net>
- 51) [35779] Re: CW ques, followup
by "Bryan Turner" <turnerw@email.uah.edu>
- 52) [35780] Responses to recent posts
by Allan G Taylor <k7gt@arrl.net>
- 53) [35781] Brown Brothers Keyer Brochure - 1978
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 54) [35782] Pacificon Swapmeet
by Chuck Adams <adams@ticnet.com>
- 55) [35783] Atlanticon Weather???? (Long)
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 56) [35784] 14.060 Discussion Dissembling
by FrConrad@aol.com
- 57) [35785] Re: Now info on IC-706MKII, Alinco DX-70T
by Jkn1olo@aol.com
- 58) [35786] J. M. March Paddle Price Please
by "Bruce Prior" <n7rr@hotmail.com>
- 59) [35787] Re: Pacificon Swapmeet
by Chuck Adams <adams@ticnet.com>
- 60) [35788] RE: J. M. March Paddle Price Please
by "Ed Tanton" <n4xy@mindspring.com>
- 61) [35789] RE:RED HOT 40
by Jay Bromley <w5jay@alltel.net>
- 62) [35790] Jim Larson's Web Page
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 63) [35791] FS: 1936-1998 QST FY/ARRL Handbooks & Pubs
by Bill Cotter <bcotter@pop.uky.edu>
- 64) [35792] Re: Fort Smith Hamfest
by Jay Bromley <w5jay@alltel.net>
- 65) [35793] Re: Have ya ever noticed ??
by Dave Sjolin <sjolin@swbell.net>
- 66) [35794] Why don't we make 14.040 or 14.045 the QRP-L calling freq?
by Jeff <fantbb@yahoo.com>
- 67) [35795] RE:RED HOT 40 -Reply

by Bob Reynolds <breynold@sigg.com>
68) [35796] RE: Test equipment...0'scopes
by Michael Melland <badger@vbe.com>
69) [35797] Re: [azqrp] Ed, W1RFI Attending Tuthill?
by Bob Hightower <ki7mn@extremezone.com>
70) [35798] Re: [azqrp] Ed, W1RFI Attending Tuthill?
by Bob Hightower <ki7mn@extremezone.com>
71) [35799] BETTER 7 MHz VFO
by mjfitz@uswest.net
72) [35800]
by "Stephen Gibson" <SWGibson@worldnet.att.net>
73) [35801] Re: Two Hamstick Dipole
by Chris Cartwright <ccart@dns.vidtel.com>
74) [35802] Hamstick Dipole
by "Bryan Turner" <turnerw@email.uah.edu>
75) [35803] Re: The half-cycle theft (Off-topic but requested/interesting)
by "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
76) [35804] Re: SV: Red Hot 40 Transceiver Photos
by "Dan Hogan" <dhhogan@concentric.net>
77) [35805] Re: SV: NC20 fun
by Wayne A Smith <k8ff@juno.com>
78) [35806] AB7TT's 30m DX-Bagging Station
by Joe Gervais <vole@primenet.com>
79) [35807] I DIDIT IT... WIRE/ROPE ANTENNA
by hamjoel@juno.com
80) [35808] Re: [azqrp] Ed, W1RFI Attending Tuthill?
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
81) [35809] Ten-turn pot w/ NC-20
by Theodore Wong <wong_th@eng.printronix.com>
82) [35810] Re: Ft. Tuthill....When? Ft. Smith....Fun
by Joe Gervais <vole@primenet.com>
83) [35811] Re: Suitable QRP Output Stage Transistors?
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
84) [35812] Re: AB7TT's 30m DX-Bagging Station
by Joe Gervais <vole@primenet.com>
85) [35813] Electronics stores in SF?
by "Harley L. Miller" <hmliller@sound.net>
86) [35814] Re: Two Hamstick Dipole
by GRW <n8ayy@amsat.org>
87) [35815] Re: antenna restrictions
by John F Rayfield <kr0y@juno.com>
88) [35816] Re: How does Sierra behaves in Europe?
by hw.merz@t-online.de (Hanns W. Merz)
89) [35817] 10M HOT to EU!
by Allan G Taylor <k7gt@arrl.net>
90) [35818] Tall Rocket Scientist Tales
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
91) [35819] Re: CW ques, followup

- by Steve <smann@advi.net>
- 92) [35820] Re: antenna restrictions
by Bruce Kizerian <kizerian@ced.utah.edu>
- 93) [35821] W5 QSL Buro - need web address
by Jim Hale <kj5tf@yahoo.com>
- 94) [35822] Re: 10M HOT to EU!
by Chuck Adams <adams@ticnet.com>
- 95) [35823] Re: Suitable QRP Output Stage Transistors?
by "Radman" <radman@best.com>
- 96) [35824] ac generators
by "Kent Babcock,N8WVD" <casey@mufn.org>
- 97) [35825] Re: SV: Red Hot 40 Transceiver Photos
by J38AL@aol.com
- 98) [35826] Re: Suitable QRP Output Stage Transistors?
by Roger Traylor <traylor@ECE.ORST.EDU>
- 99) [35827] Some FISTS info and 10M [long]
by Chuck Adams <adams@ticnet.com>
- 100) [35828] RH20 case screws
by Chuck Adams <adams@ticnet.com>
- 101) [35829] Re: AB7TT's 30m DX-Bagging Station
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 102) [35830] Re: Some FISTS info and 10M [long]
by Allan G Taylor <k7gt@arrl.net>
- 103) [35831] NC20 Is A Winner!
by DYARNES@aol.com

Date: Tue, 16 Mar 1999 16:06:20 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: wa8mcq@erols.com, qrp-1@Lehigh.EDU
Subject: [35729] Re: Why we're on 14.060
Message-ID: <19990317000621.25025.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Mike

I agree, .060 is usually more of a problem than .040. Might be time to shake out the cobwebs and push for a change.

Alan, N3BJ

-----Original Message Follows-----

From: "Mike Czuhajewski" <wa8mcq@erols.com>
Reply-To: wa8mcq@erols.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: Why we're on 14.060
Date: Tue, 16 Mar 1999 18:18:43 -0500

AB6MB said,

"I was on 20 meters yesterday and noticed that 14.060 is hard up against the digital portion of the band. In fact I heard no CW past maybe 14.062. On 40 meters at 7.040 I hear QRP signals all the way past 7.050 at times. Go me to thinking how in the world did we QRPer's end up at 14.060? Just one of those mysteries of life I guess."

At one time, all QRP calling frequencies were at 060 above the bottom of the band, and most still are. The real question should be why 40M is the exception :-) I don't know when, but somewhere in the dim past that one was moved lower in the band due to all of the "digitalis" up higher. Maybe now's a good time to start pushing to get the other bands dropped down to 040 as well, or at least on 20M. Don't ask how we ended up at 14.060--ask why we stick with it :-)

73 and queue our pea DE WA8MCQ

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 16 Mar 1999 16:13:27 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [35730] Chuck's Pictures of the Red Hot 40
Message-ID: <01be700a\$fb39b6c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WOW!!!!!!! If you have not taken the time to look at Chuck's pictures of the very first Red Hot 40 from Red Hot Radio, you owe it to yourself to take a look. The case is from Doug Hauff, who will be doing them for RHR, and he has outdone himself. The RHR 40 will be available later this summer. What you see is a pre-production prototype. Built by Chuck Adams for me!! Wheee! Waaah Hooo! Happy Dance time. Here is the url for Red Hot Radio:

<http://www.redhotradio.com>

No I am not connected to RHR in any way financially. It is run by a very good friend of mine. 72, Doug, KI6DS

Date: Wed, 17 Mar 1999 01:41:05 +0100
From: hw.merz@t-online.de (Hanns W. Merz)
To: qrp-1@lehigh.edu
Subject: [35731] Re: SST es KC1
Message-ID: <m10N40P-0003DvC@fwd08.btx.dtag.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT
Content-Transfer-Encoding: 8BIT

Hi Nathan,

I have built a 20m SST with the KC1 in the front panel of the rig (NOT in the top half). This is possible if you prepare the KC1 board for horizontal mounting. The pots and switches have to be soldered horizontal, too. Some leads must be changed therefore. It's a little bit a puzzle work but the result is nice and it works fine. No problems with processor noise or something else. But I wouldn't recommend this method if you have too big fingers ;-) as the handling of the knobs could be a little bit difficult when operating although I have arranged the knobs primarily for easy use rather than for best looking.

If you are interested I can try to take some digital pictures of my SST and send them to you as JPG files.

72,
Hanns, DK9NL,
AGCW #1966, DL-QRP-AG #Foundation Member, G-QRP #6365, RIA #894
e-mail: hw.merz@t-online.de

The Wilderness Radio Sierra is my favourite QRP rig!

Date: Tue, 16 Mar 1999 19:00:30 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35732] Fort Smith Hamfest
Message-ID: <36EEFEAE.C8B2DEB6@alltel.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I just wanted to thank everyone who made the Fort Smith Hamfest a success. Even though the weather was bad, the forum was well attended. The loose format we had worked extremely well. Doug and Chuck kept everyone entertained. I have never seen both so funny while Elmering the crowd at the same time. I've seen them both before at larger hamfests but I have never seen them work so good together as a duo. I guess at the more structured events about the time they get going good it is time to quit, but not here.

I'm sorry for not getting this out sooner, I had such an adrenaline rush that all I have done is mail prizes out and get caught up on things I've neglected the past week. We also had a club meeting last night. Everyone at the meeting commented on what a great job Doug and Chuck did.

Their friendship had a uniqueness that showed throughout the forum. The gang is still pumped up from last weekend's show.

Doug and I went to get Chuck a Coke while he was talking to the group and I introduced Doug to a few people who didn't really know who he was. It's funny I have been getting phone calls all day long from people who are just now realizing what "Heavy Hitters" we had in the Fort. It's amazing how much excitement can be generated from dynamic speakers like these guys.

Paul Harden donated some of his books for door prizes and we also sold a few autographed copies in the main Hamfest area, but after the forum, the books sold like hot cakes. It makes me wonder if when you put on events like this if you had some single band kits for sale afterwards, you could probably sell a lot. Doug was the Master salesman for getting all the books sold, which is going to help cover some of the cost to put on the forum. Thanks Paul for sending the books, they were a big hit. I also want to thank NorCal for donating the NC-20 which also generated revenue for the forum. I want to thank those that enter the drawings by internet for their donations.

People at our club last night are solder burning crazed. A lot of the people I talked to wanted to know what I thought they should order for their QRP kit. A lot of what I said depended on their experience.

Chuck and Doug gave our group some ideas on how to make the forum better and more self-sufficient for next year. There were a lot of people who

came from far away and through bad weather. Without you guys it wouldn't have been a success. I sure enjoyed meeting Larry Wise and his wife and being harassed about the K-2 by Clifton Stikes. And, YES the K-2 made it to the forum, but just barely.

Thanks to Embedded Research for the Tick-keyer that they donated for us to give away. They also gave us some QRP frequency cards that went like hot cakes. I didn't even get one. Also thanks to ARCI for the mouse pad and coffee mug prizes.

Doug went out in the Hamfest and found some modem cases at a bargain price. He threw them out to the crowd. No one was injured by the Doug's flying debris but it did generate a lot of laughter. Doug also gave away some Pixies.

Besides the interest generated in both Red Hot radios, the SW-40's by Dave Benson with the Elmer 101 manuals were big hits. Thanks for the extra effort Dave made for getting them to us with such short notice.

While Chuck was doing his Spice demonstration, he got to talking about doing some simple trouble shooting that was out standing. Chuck, I will never forget your joke about the tubes.

Doug and Chuck treated the locals like they were the big-wigs. I don't think I've ever seen two individuals give back more in a weekend as these two did. As far as I'm concerned, they are the ultimate Elmers. They packed the room out even though we had about 15 people say they couldn't make it because of the bad weather.

Doug wasn't the only one that went home with a key. I ended up with Chuck's Vibroplex bug with a presentation case. I gave Chuck a Kent paddle that he saw while I was in Dallas a few years ago that he took a fancy to. The funny part came when it was time for Doug to check his baggage at the airport. Chuck had given Doug some parts that were in plastic bags and with the Red Hot NC-20 and the Brown Brothers Key, it looked like a bomb with some sort of detonator to the attendant. It was fun to watch Doug eloquently talk his way through this.

Although Fort Smith's QRP forum may be better next year, this one will always be special because of the people who attended and the fellowship we had. It is the same feeling I got after my first Field Day. You don't get these feelings very often.

73 de w5jay..

Date: Wed, 17 Mar 1999 01:06:09 +0000

From: Peter Larsen <larsenp@cadvision.com>
To: N7YA@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35733] Re: Riley gets another one!!
Message-ID: <36EF0001.E6FC1F5D@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

N7YA@aol.com

writes:

>

>out of curiosity, i looked up W3CI in the Buckmasters DB...go check it >out,
>hes a real team guy, hihi. the funny thing is he lists one of his

Check out www.qrz.com for this Gent's favorite repeater.
He is (was) on it "day and night"

Date: Wed, 17 Mar 1999 01:08:13 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: wa8mcq@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35734] Re: Why we're on 14.060
Message-ID: <36EF007D.76087CBF@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike Czuhajewski wrote:

> The real question should be why 40M is the
> exception :-)

Because 7.060 is in the DX SSB window. (&.050 to 7.100)

Date: Wed, 17 Mar 1999 01:08:29 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <adams@ticnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [35735] Re: Red Hot 40 Transceiver Photos
Message-ID: <00f301be7012\$ac148220\$c842b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

These are nice photos, but will the production models have red cabinet screws? Also, maybe they could do away with the allan screw head and use a flat or philips head screw.
de Steve, W8SFF

Date: Tue, 16 Mar 1999 21:03:33 EST
From: FrConrad@aol.com
To: QRP-L@lehigh.edu
Subject: [35736] Re: Why we're on 14.060
Message-ID: <161e4da3.36ef0d75@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

To whom...

Hey! It ain't fair!

I raised the same question about six months ago and was greeted with about three thousand baud of memoranda on the European band plan. Of course, that was before 500 NC20s were sent out to the world.

All whining and snivlin' done, as Honest Abe (Lincoln, not Issac's father) put it, "No force is as great as an idea whose time has come."

I'd opt for 14.040 in a heartbeat.

Two approaches would be to just start using it and let it develop itself or...

to give that mostly QRO organization in Newington, CT and opportunity to do something for us for a change.

And speaking of change...

That's my two cent's worth.

John+
WB6MFS
CA/AZ/XE/TACOBELL

Date: Tue, 16 Mar 1999 21:11:18 EST
From: RangerSF5@aol.com
To: QRP-L@lehigh.edu, FOX_TANGO@qth.net
Subject: [35737] FT 901 Problem
Message-ID: <a77d13ae.36ef0f46@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
I have a FT 901 here that won't play on 40-M.
The rest of the rig is fine and everything works well.
On 40-M the digital display blinks very rapid and it seems to be locked on a
commercial CW freq.
The numbers change but the station is there just like it's rock bound.
I disconnected the memory unit and adjusted the VCO and tried to get the XTAL
to take off without luck.
Anyone have any idea what could be wrong?
I checked the voltages and have my 5.5 V.
Anyone have any other ideas?
I know that the 901/902 display will blink very rapid if the rig is not
oscillating on the non-operation band.
I did not go into the mixer Osc. as from what I read, that would take out the
whole rig.
But I'm starting to get lost in the TECH. department here so I may be wrong.
Any suggestions?
Thank You
Bob
WA2HOQ

Date: Tue, 16 Mar 1999 21:19:27 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35738] Re: Why we're on 14.060
Message-ID: <001601be701c\$961f9540\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Peter Larsen <larsenp@cadvision.com>

>Mike Czuhajewski wrote:

>

>> The real question should be why 40M is the

>> exception :-)

>

>Because 7.060 is in the DX SSB window. (&.050 to 7.100)

But then, 7.040 is the DX RTTY calling frequency.

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 16 Mar 1999 20:53:12 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [35739] Test Equipment
Message-ID: <199903170253.UAA19032x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thanks to everyone that helped answer my question about what test equipment I should purchase. Almost everyone who responded said that a good scope is a much needed item (this was the most popular suggestion). There were several mentions of a good frequency counter. Many people suggested frequency markers and generators. A good quality DMM was also recommended. More than one person also suggested the MFJ Antenna Analyzer.

I had several people email me and ask that I post this to the list once I received responses because they were wondering the same thing I was.

I think I'm gonna start saving money for a scope and antenna analyzer :)

73 Jeff W4JEF

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |

| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |

Date: Tue, 16 Mar 1999 22:21:17 -0500
From: Richard R Riordan <mrzip@sssnet.com>
To: qrp-1@Lehigh.EDU
Subject: [35740] Help.
Message-ID: <36EF1FAD.5B23@sssnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang!

Does anyone out there have a copy of SPRAT Autumn 1989 issue # 60?
I need some info from that issue.
Thanks for any help.

Dick W8RAD

mrzip@sssnet.com

Date: Tue, 16 Mar 1999 22:23:24 -0500
From: "Charles D. Feigley Sr." <wa8cul@gte.net>
To: qrp-1@lehigh.edu
Subject: [35741] TEN-Tec Mailing List
Message-ID: <36EF202C.3ACC@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

I was wondering if anyone could give me information about
getting on the ten-tec mailing list. This group seems to have
all of the answers to most everythig.

Thanks in advance,
Charlie WA8CUL

The truth is out there. This is who I am.

Date: Tue, 16 Mar 1999 21:28:14 -0600 (CST)
From: PHILLIPS RICHARD <phillips@msoe.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [35742] Linux Log
Message-ID: <Pine.OSF.3.96.990316212547.21656C-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone know of any logging programs written for the Linux platform?
Thanks,
Richard Phillips AA9L
phillips@msoe.edu

Date: Tue, 16 Mar 1999 22:37:00 -0500
From: olyellr@iglou.com
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [35743] Re: Why we're on 14.060
Message-ID: <3.0.5.32.19990316223700.008d1100@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRM on .040 or .060?

Nothin' aggravates me more than to be hammered by digital or QRO stations when I'm working the QRP freq's, but it happens and I accept it as part of the game. If I can help change it I'll sure do my part to help.

Otherwise, my solution, and sometimes my preference is to work the rest of the band(s). I sure enjoy working fellow QRP'ers, but I also enjoy working away from the QRP freq's, working DX and other non-QRP stations. I have fun, make a lot of contacts and maybe even help spread the word and surprise a few folks who think QRP is just a novelty.

Life's too short to sit an' wait.

72 all, Mike L.

=====
de AF4LQ
FISTS, ARCI, QRP-L
99% CW OP....for the pure JOY of it!
<http://members.iglou.com/olyellr/>

Date: Tue, 16 Mar 1999 21:46:33 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [35744] Dualband J-Pole Antenna Plans
Message-ID: <199903170346.VAA09764x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

A week or two ago someone was looking for a plan for a J-pole antenna. Here are plans by Al Lowe of Arrow Antenna fame (handheld 2M/70cm satellite antenna) that he emailed me today and I thought some of you on the list might find it useful also:

Construction Plans for the Model J146/440 Dual Band Solid Aluminum J-Pole

Parts Needed:

Radio Shack # 21-961 3/8--24/S0239 Mount (Mobile CB Antenna)
Radio Shack # 15-826 TV Mast U-Bolt Clamp Assembly
About 90 inches of 3/8- diameter Solid Aluminum Rod.
5 1/2 inch piece of strut angle Aluminum 1 1/2- X 1 1/2- X 3/16- Thick.
4 Stainless Jam Nuts 3/8-24 thread

Tools needed:

Drill Press with drill Bits up to 1/2-.
Tap & Die for 3/8-24 thread.
Sander or file to de-burr the cut edges.
2 9/16 wrenches & a 3/4 wrench. Vice-grips

Make sure the piece of angle Aluminum is exactly 5 1/2 inches long. Drill 2 1/4- holes on one side, centered to fit the U-Bolt for mounting. On the other surface of the angle From the left side measure in 1/2- and drill a 1/4- pilot hole. From the left side measure in 1 15/16- and drill a 1/4- pilot hole. From the left side measure in 5- and drill a 1/4- pilot hole. This should give you 1 7/16- from center to center of the first 2 holes. This should give you 4 1/2- from center to center of the two outside holes. Redrill the left pilot hole to 1/2- Redrill the other 2 pilot holes to 11/32- Then tap the hole with a 3/8-24 Tap. Finish as required.

Cut a piece of the 3/8- Aluminum rod to about 21-. Attach a vice-grip to one

end. Using a 3/8-24 Die cut in about 8 threads in the other end. Screw on the Coupling Nut that came with the S0239 Mount Tighten as much as you can. Measure the rod & coupling nut & cut to exactly 19 1/4-

Cut a piece of the 3/8- Aluminum rod to about 59- Cut another piece about 8- Attach a vice-grip to one end. Using a 3/8-24 Die cut in about 15 threads in the other end. repeat for the 8- rod. (If you don-t have jam nuts, cut enough threads for 2 nuts & the thickness of the angle bracket.) Screw on one of the Jam nuts & tighten as much as you can. Measure from the bottom of the nut and cut the rod to exactly 57 1/2- Measure from the bottom of the nut and cut the other rod to exactly 6 1/4- (Remember the nut must be included in the Measurement.) (Put a small amount of grease on the threads) Screw the elements into the threaded hole of the angle bracket and tighten. Screw on the other nut and tighten it. Attach the 19 1/4- element in the 1/2- hole using the rest of the S0239 Mount. Mount & test your new antenna.

SWR should be 1.1:1 at 146 MHz and about 1.2:1 at 144 & 148 MHz.

SWR should be 1.1:1 at 443 MHz. and about 1.2:1 at 437 & 450 MHz.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 16 Mar 1999 22:32:44 EST
From: RangerSF5@aol.com
To: FOX_TANGO@qth.net, qrp-l@lehigh.edu
Subject: [35745] 901 AGAIN*UPDATE*
Message-ID: <33ba3e54.36ef225c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

I put a counter on every can on the VCO board and on every can next to the XTALS on the XTAL board.

If I was on 14.300.0 then that was the reading i got off every can on both boards including the 40-M slug.

But when I put the rig in the 40-M position, I received NO READINGS on any ot

the cans.
Doesn't sound right but the rest of the bands are working well on TX and RX.
Any more suggestions?
Thank You
Bob
WA2HOQ

Date: Tue, 16 Mar 1999 20:51:16 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [35746] QRP'er needs help
Message-ID: <3.0.6.32.19990316205116.0084fd80@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How about giving this Richard a hand.

Please answer him directly if you can help at:

r_miller@asc.livenet.net

Thanks,,,72,,,Jerry...WA6OWR...K

X-Authentication-Warning: ds5.livenet.net: Uasc set sender to
r_miller@asc.livenet.net using -f
X-Sender: r_miller@asc.livenet.net (Unverified)
X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.5 (32)
Date: Tue, 16 Mar 1999 12:49:49 -0500
To: jparker@fix.net
From: Richard Miller <r_miller@asc.livenet.net>
Subject: QRP transmitter publication from W1FB

Hello:

My name is Richard Miller and I have attempting to build the 40 meter VFO from scratch that W1FB published in the QRP Classics handbook.. If I remember correctly the name of the article in that book was " An Enphasis on tranmitter Design" and was a four part article on how to build a 40/20 meter transmitter. After three attempts of building the VFO circuit and double checking the schematics I believe there may be a problem in the article. I was wondering how I would go about putting a inquire through your club to see if there is anyone who has built this circuit and can offer advise or are there some amendmants made to the original article that may correct any of the problems that may have printed in the first article..

Sincerly

Richard Miller

K04NX

Date: Tue, 16 Mar 1999 22:35:55 -0700
From: Stephen c Stuntz <n0bfqrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [35747] 15m cw qrp rig recommendation?
Message-ID: <19990316.223555.10886.0.n0bfqrp@juno.com>

I need a 15m cw rig to take bicycling in europe. It needs to be small like my old 30-40 nn1g (2x3x4 inches inc case and batteries). Does anyone have suggestions?

Stephen Stuntz

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Mar 1999 00:45:13 EST
From: DYARNES@aol.com
To: mgipe@reliablemeters.com, qrp-l@lehigh.edu
Subject: [35748] Re: K2 and NC20 on-air reports
Message-ID: <e4d296ba.36ef4169@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 3/16/99 6:28:44 PM !!!First Boot!!!,
mgipe@reliablemeters.com writes:

<< Why is it so rare to have a K2 to
NC20 QS0? >>

72 de Dave W7AQK

Oh well, 3 out of 5 Euro countries ain't too bad.
Maybe the JA's will start pounding in soon and I can

get some honest 579's to soothe my bruised ego. :-)

Pleasant Dreams to y'all.

Cheers de AB7TT (or AB7NA, or AB7AA, or...),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

Date: Wed, 17 Mar 1999 00:04:40 -0800

From: Jim <w7ls@blarg.net>

To: qrp-1@lehigh.edu

Subject: [35750] NVIS results at 165 miles

Message-ID: <36EF6217.D6ED62A8@blarg.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Well, maybe not exactly nviz, given that the F2 layer is about that same height. The angle would have been on the order of 30 degrees from vertical.

The rig is the venerable Pixie 2 (available from HSC for ten smackers), running a whopping 150 mW, using a 9v battery.

Band: 80 meters

Antenna: dipole, up at head height, cut to 468/F. Unknown swr.

Feedline: 10' of RG-174/U

Distance to other station (KB7MBI in Woodinville, WA): 165 air miles

Time of day: 10 am, local

Signal report from distant station: 579 (same as for distances of 6, 8, 21, and 45 miles

Distant station: QRP+, running 5 watts. Dipole at 0.2 wavelengths elevation.

Cost for complete station: a few latte's

Size of complete station: fits nicely into a M-16 ammo pouch (3" X 3" X 8"), including antenna, battery, and coax.

Weight of entire station, including coax, battery, and antenna: 1.5 lbs

Results: Wowzers, gang. This really works!

Alan and I had a smooth qso, without missing anything at all. For those that are new to the list, nviz stands for Near Vertical Incidence Skywave propagation. It is the hf mode that is very useful for RACES and other emergency service communications on a local and regional scale. It

is not a dx mode. It is literally an anti-dx mode. It's utility is in communicating with people in your area. The 80 meter band sounds quite dead in the mid day, especially with a low antenna (have to duck to miss beaming yourself on it), and it is dead for any dx. What's not dead is local communications. It is not groundwave. It bounces off the ionosphere and flops back down, all around you. That means it works where other line of sight modes fail, such as simplex vhf and uhf. It works in the deepest gullies, just as well as on the highest hills. There are articles that describe it in detail. I don't have the web sites memorized, but any search engine will find them. Search for nvis and communications.

By the way, the Pixie is comprised of 2 transistors and one audio amp chip, plus a few resistors and caps.

Bye for now. Jim W7LS

Date: Wed, 17 Mar 1999 09:54:26 +0100
From: "David Reid" <dareid@Synopsys.COM>
To: gqrp@onelist.com, qrp-l@lehigh.edu
Subject: [35751] Did any of you get this SPAM mail?
Message-ID: <199903170854.JAA19288@goofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi guys, apologies for the bandwidth... but the level of SPAM I am getting has just recently gone through the roof... and I can only connect it with either of the two lists in my header...

I'm not a happy puppy about SPAM MAIL.

I noticed it more after joining the new GQRP list at onelist.com.

what's going on here?

take care and QRP 4 EVER

Dave
PA3HBB / G0BZF

>From: apek_md@tm.net.my
>To: apek_md@tm.net.my
>Subject: HOW TO GET ONE MILLION PEOPLE SEND YOU
>\$2.00
>Date sent: Tue, 16 Mar 1999 12:05:06 -0800

>-----

>If you wish to be removed from this advertiser's future mailings,
>please
>reply
>with the subject "Remove" and this software will automatically
>block you
>from their future mailings.

Date: Wed, 17 Mar 1999 17:32:18 +0800
From: "Zhen Leao" <by2hit@qsl.net>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [35752] RE: 15m cw qrp rig recommendation?
Message-ID: <00fa01be7059\$5749b0c0\$685ffea9@lsc1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="gb2312"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>I need a 15m cw rig to take bicycling in europe. It needs to be small
>like my old 30-40 nn1g (2x3x4 inches inc case and

I also need a portable cw rig.

-Zhen Leao
BD4JI/BY2HIT

Date: Wed, 17 Mar 1999 03:35:05 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: olyellr@iglou.com, qrp-1@Lehigh.EDU
Subject: [35753] Re: Why we're on 14.060
Message-ID: <19990317113506.12337.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Hello Mike

Like your suggestion and that's what I usually do....rarely do I sign /QRP, either. I pass that info along in the text of the QSO. Calling freqs. are great, but the real DX action on the bands isn't parked on the QRP freqs !!

Alan, N3BJ

-----Original Message Follows-----

From: olyellr@iglou.com

Reply-To: olyellr@iglou.com

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: Re: Why we're on 14.060

Date: Tue, 16 Mar 1999 22:37:00 -0500

QRM on .040 or .060?

Nothin' aggravates me more than to be hammered by digital or QRO stations when I'm working the QRP freq's, but it happens and I accept it as part of the game. If I can help change it I'll sure do my part to help.

Otherwise, my solution, and sometimes my preference is to work the rest of the band(s). I sure enjoy working fellow QRP'ers, but I also enjoy working away from the QRP freq's, working DX and other non-QRP stations. I have fun, make a lot of contacts and maybe even help spread the word and surprise a few folks who think QRP is just a novelty.

Life's too short to sit an' wait.

72 all, Mike L.

=====
de AF4LQ
FISTS, ARCI, QRP-L
99% CW OP....for the pure JOY of it!
<http://members.iglou.com/olyellr/>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 18 Mar 1999 06:39:23 -0500
From: "Jerry W. O'Dell" <jwodel@ameritech.net>
To: qrp-l@lehigh.edu
Subject: [35754] prerogatives
Message-ID: <19990317123549.BHEE16396@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You know, I get a bit ticked at people who say they own frequencies. 7.040, for example is not _owned_ by qrpers. I try to avoid it cause I like qrp, but most of the time it is fallow, and I rarely work anyone running qrp on 7.040 -- almost

Date: Thu, 18 Mar 1999 06:41:47 -0500
From: "Jerry W. O'Dell" <jwodel@ameritech.net>
To: qrp-l@lehigh.edu
Subject: [35755] prerogatives, cont
Message-ID: <19990317123814.BHFD16396@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think it is nice that we keep 7.040 for the qrpers, but the digital people have just as much a right to it as we do, as I read the plan.

I would suggest that ITU or someone coordinate things -- but ye gods, what a mess.

Sorry for the two parts, but this thing died in the middle.

73 jerry w8gnd

Date: Wed, 17 Mar 1999 06:44:51 -0500
From: "dor" <elbc@pivot.net>
To: <phillips@msoe.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35756] Re: Linux Log
Message-ID: <003801be706b\$9294f600\$ed1199d0@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: PHILLIPS RICHARD <phillips@msoe.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, March 16, 1999 10:20 PM
Subject: Linux Log

>Anyone know of any logging programs written for the Linux platform?
>Thanks,
>Richard Phillips AA9L
>phillips@msoe.edu
>

Hi Richard,

Don't know of one yet, But I know a couple of guys working on one. if I find one will let you all know..

You might Check with Walnut Creek CD. If anyone has one on Linux they would
73 DAVE KC1DI

Date: Wed, 17 Mar 1999 12:47:02 +0100
From: "=?iso-8859-1?Q?Hans_Sundstr=F6m?=" <hans.sundstrom@telia.com>
To: <ap036@detroit.freenet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35757] SV: Red Hot 40 Transceiver Photos
Message-ID: <01be706b\$df5a4800\$32f9c6c3@sm4atj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Why take away the "allan" screw? Makes an extra even better touch!!!!
73 Hans / SM4ATJ

-----Ursprungligt meddelande-----

Fr n: Steve Sorrell <ap036@detroit.freenet.org>
Till: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Datum: den 17 mars 1999 02:17
mne: Re: Red Hot 40 Transceiver Photos

>These are nice photos, but will the production models have red cabinet
>screws? Also, maybe they could do away with the allan screw head and use a
>flat or philips head screw.
>de Steve, W8SFF
>
>

Date: Wed, 17 Mar 1999 08:07:22 -0400
From: Dave Marling <dbm@klis.com>
To: dareid@Synopsys.COM
Cc: gqrp@onelist.com, qrp-1@lehigh.edu
Subject: [35758] Re: [GQRP] Did any of you get this SPAM mail?
Message-ID: <36EF9AFA.505BC921@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David Reid wrote:

>
> From: "David Reid" <dareid@Synopsys.COM>
>
> Hi guys, apologies for the bandwidth... but the level of SPAM I am

I haven't noticed any increase from or because of either of these
reflectors. I now make it a strict point not to send anything to a
newsgroup. The last time I did was to ask a question about a printer
problem. It took about 9 months before the garbage factor dropped to
normal.

Dave
VE1VQ
In the deep south of Nova Scotia

Date: Wed, 17 Mar 1999 07:48:34 -0500
From: DNT1@daimlerchrysler.com
To: dave.g@dja@psilink.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [35759] Re: Legal Callsigns

Message-ID: <05256737.00466B8D.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Dave wrote:

> But, if you've never heard one before, how would you know?
>
> Cheers de Dave (G0DJA)

That's why the DX hunters say "work 'em first, worry about it later!"....

Don T. AI4CW QRP-L#1670 EM64pw

Date: Wed, 17 Mar 1999 08:03:46 -0500
From: Wayne A Smith <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [35760] Re: SV: NC20 fun
Message-ID: <19990317.080348.7598.0.k8ff@juno.com>

Hi Hans, I don't know of any unbuilt kits around. You might try putting out a wanted note on qrp-l just to see what happens. You could also contact Vibroplex since they have purchased the design from me. They should be available sometime this spring. Thanks for your interest and hope to work you soon with our NC20's.

Regards, Wayne K8FF

On Tue, 16 Mar 1999 18:13:31 +0100 "=?iso-8859-1?Q?Hans_Sundstr=F6m?=" <hans.sundstrom@telia.com> writes:
>Hmmm...
>still building my NC20, looking forward to getting it on the air.
>And since you mention K8FF paddles...
>I was not there when they were available (have been away in hospital
>for
>quite a while, more than a year after an aircraft crash...) so I am
>looking
>for an unbuilt kit. You don't happen to know where there might be one
>available...?
>
>mni 73
>
>Hans / SM4ATJ

>
>-----Ursprungligt meddelande-----
>Fr n: Wayne A Smith <k8ff@juno.com>
>Till: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Datum: den 16 mars 1999 15:15
> mne: NC20 fun
>
>
>>WOW this NC20 is a great rig!! Here are some of my log entrys for
>last
>>night:
>> CX2SR, PY3FMC, UK8IZ, UA9OJG, RW0SC, UA9LL and RA9JU
>plus
>>others.
>>Looks like lots of DX ahead for this great little box. Can't wait
>for
>>QRPTTF and ARRL FD.
>>I've been using my #1 paddle with the wide spacing and solid silver
>>contacts with the NC20, seems like a good combination.
>>
>>Best regards to all, 72 de Wayne K8FF
>>
>>-----
>>You don't need to buy Internet access to use free Internet e-mail.
>>Get completely free e-mail from Juno at
>><http://www.juno.com/getjuno.html>
>>or call Juno at (800) 654-JUNO [654-5866]
>>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Mar 1999 08:12:42 -0500
From: Frank Alwine <n1gpy@together.net>
To: qrp-1@lehigh.edu
Subject: [35761] QRP Calling Frequencies - 6M
Message-ID: <36EFAA4A.1768@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The discussion on the 20M calling frequency reminded me

of another potential problem I've seen in the published QRP calling frequencies - a 6M calling frequency of 50.060MHz. Maybe this was OK in the past, or it was just transferred-over from HF, but that frequency is smack in the middle of the propagation beacon sub-band on 6M. Operating on that frequency will QRM 6 or more beacons around that frequency in North America alone.

Some CW work is done between 50.090 and 50.100; 50.100 to 50.125 is the DX window (50.110 is the dx calling frequency). The national calling frequency is 50.125MHz (some effort afoot to move it to 50.200). CW is commonly intermixed with SSB from 50.125 up. BTW cross-mode (CW to SSB) QSO's are perfectly acceptable on VHF.

If a QRP calling frequency is really needed on 6, I'd suggest something like 50.240MHz, high enough in the band to avoid the QRO ops, but low enough to catch the weaker band openings.

Just my \$0.02 worth, from a 9-year inhabitant of the "Magic Band"...

72/73,

Frank KT1VT FN34kp

Date: Wed, 17 Mar 1999 14:22:16 +0100
From: Paolo Sassoli <paolo.sassoli@italtel.it>
To: "Qrp-l (per messaggi)" <qrp-l@lehigh.edu>
Subject: [35762] How does Sierra behaves in Europe?
Message-ID: <36EFAC88.54426989@italtel.it>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi to all;

Is there anyone in Europe using the Sierra that could tell me how it works?

I mean, can I think to buy it and use it on 40 meters, where the RF level from broadcast stations is enough to light up the shack in the night? (from 7.100 to 7.500 MHz and a dipole 30 meters above ground the S meter of my JRC

is always over S9+30 dB!)

Besides,
as the new NC20 has been designed to handle the
european conditions on 20 meters, using a high level passive
mixer for the first IF conversion, I wouldn't like to discover
the NE602 of the Sierra suffers from intermods under some
severe conditions.

I'm planning to order one but, before, I have to decide
with which band modules; 15 meters are sure
but would like to add some others.

Any suggestions?

Thanks to all.

Paolo IK2LNH

Date: Wed, 17 Mar 1999 08:37:45 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: n3bj@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35763] Re: Why we're on 14.060
Message-ID: <36EFB029.135F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alan, and gang,

You are right. The calling frequencies are just that, calling
frequencies, intended to contact others of the same interest and THEN
MOVE to another frequency near, or far, for the QSO. We QRPers tend to
constantly use the calling frequencies to make contacts and THEN STAY
THERE. This has at least two negative results -- 1. it makes the
calling frequencies overcrowded and 2. it leaves the rest of the band
wide open! If QRPers looked around the band for QSOs, and perhaps
didn't sign /QRP, they would find their horizons limited only by band
conditions. Try it!

73

Date: Wed, 17 Mar 1999 08:06:33 -0600
From: "Malcolm Bussey" <mbussey@gte.net>
To: <qrp-l@lehigh.edu>
Subject: [35764] QRP Rig for Sale
Message-ID: <000701be707f\$5f88a220\$0177fed0@mals-computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I am selling my Argo-556. I have all 9 band modules and the noise blanker is installed. It has the unused mobile mount and the microphone as well as the manual. It is in almost as-new condition and has no blemishes of any kind---works great too. I will ship it to a USA address for \$475.

e-mail is mbussey@gte.net

Thanks

Malcolm Bussey (#1847)

Date: Wed, 17 Mar 1999 09:31:44 -0500
From: Fred Bennett N9TA <N9TA@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [35765] Have ya ever noticed ??
Message-ID: <36EFBCD0.8D52C88C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

Have you ever noticed how, when joining a qso with some fellow who's running about 800 watts, that even though he gave you a 579 signal report, as soon as you tell him you are QRP at about 3 watts....he can't seem to copy you anymore.....hi hi hi.

73...de...Fred N9TA

Date: Wed, 17 Mar 1999 10:14:06 -0500
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [35766] FW: Why we're on 14.060
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083AD5@MAILMAN>
MIME-Version: 1.0
Content-Type: text/plain

Bruce is 100% right. If you can hear 'em well, then you can work 'em. Blow their minds after you got 'em in a QSO when you tell them how little power you are running.

Hunt and pounce is an effective operating strategy for QRP. So tune around and snag 'em.

73 de N8AUC
Eric
(30 stories above Lake Erie)

> -----
> From: Bruce Muscolino[SMTP:w6toy@erols.com]
> Reply To: w6toy@erols.com
> Sent: Wednesday, March 17, 1999 8:37 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Why we're on 14.060
>
> Alan, and gang,
>
> You are right. The calling frequencies are just that, calling
> frequencies, intended to contact others of the same interest and THEN
> MOVE to another frequency near, or far, for the QSO. We QRPers tend
> to
> constantly use the calling frequencies to make contacts and THEN STAY
> THERE. This has at least two negative results -- 1. it makes the
> calling frequencies overcrowded and 2. it leaves the rest of the band
> wide open! If QRPers looked around the band for QSOs, and perhaps
> didn't sign /QRP, they would find their horizons limited only by band
> conditions. Try it!
>
> 73
>

Date: Wed, 17 Mar 1999 10:20:25 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35767] Re: Have ya ever noticed ??
Message-ID: <36EFC839.C18CC07B@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep. But there are some exceptions:

Does not happen that much on 30 meters

Most DX seem to go out of their way to work QRP

Old Timers who remember the days of single tube transmitters and the smell of rosin core solder.

Ed Kwik AB8DF

Fred Bennett N9TA wrote:

>
> Hi Gang
>
> Have you ever noticed how, when joining a qso with
> some fellow who's running about 800 watts, that even
> though he gave you a 579 signal report, as soon as you
> tell him you are QRP at about 3 watts....he can't seem
> to copy you anymore.....hi hi hi.
>
> 73...de...Fred N9TA

Date: Wed, 17 Mar 1999 08:28:07 -0800
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: RangerSF5@aol.com, qrp-1@lehigh.edu
Subject: [35768] Re: 901 AGAIN*UPDATE*
Message-ID: <36EFD817.2362@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Possibly a defective crystal or crystal socket/solder connection,
leaving only the out of band vfo frequency appearing thru the mixer.
Just a thought.

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M
(also w5xe@juno.com El Paso,(FAR WEST) TEXAS

Date: Wed, 17 Mar 1999 09:21:19 -0600
From: "Tom Moll" <tomm@xata.com>
To: <qrp-1@lehigh.edu>
Subject: [35769] Viking Ranger wanted
Message-ID: <000701be7089\$cf6e10c0\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Since Ed Tanton repeatedly and stubbornly refuses to sell me one
of his Rangers, :) I'm sure one of you guys out there has one sitting
around gathering dust that you'd like to exchange for some new
QRP goodie, don't you ? Since I plan on making extensive modifications,
including power reduction for QRP level output, I'll even consider semi
basket case units.

Like we used to say on AM, "What say, someone please?"
Tom Moll N0BS

Date: Wed, 17 Mar 1999 10:32:26 -0500 (EST)
From: afpgreg@state.me.us (Paul V. Gregory)
To: qrp-1@Lehigh.EDU
Subject: [35770] unsubscribe info
Message-ID: <199903171532.KAA01678@gatekeeper.ddp.state.me.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

sri fer the qrm, but I gotta qrx the list fer awhile. Someone please advise!
--Paul, N1ZR

Date: Wed, 17 Mar 1999 11:16:05 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Scott Robinson" <spr@earthlink.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [35771] The half-cycle theft (Off-topic but requested/interesting)
Message-ID: <003501be7091\$7569a820\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

///snip

>P.S. Remind me to tell you about the time he swiped a half cycle from FLA
>Power. It's a great-true-story.
>
So, tell us already! I used to be in the power plant testing
business...BIG plants, 1 GW.

Scott Robinson

///snip

OK... here goes Scott... this is second hand-I wasn't there-but I don't
question that it was done.

Sometime back in the 70s the individual I'm talking about worked in the
microwave division of Sperry-Rand in FL. A lot of the work you do with
ferrites involves whomping them with a humongous pulse to get them to change
'direction'. Evidently they were working on a project requiring a great deal
more whomp than even the substation right there on the grounds could provide
(definatly NOT QRP!!!)

For those who missed the earlier comment that provoked this, I once worked
for a great engineer who was definatly a get-it-to-work person. He holds
the basic patent on the original design for the (I think it was) blocking
oscillator-and many others I'm sure. Builds prototypes with no board
what-so-ever... I used to think that if you put a string on them, this ball
of soldered-together parts would make a great electronic mobile to hang in
your office. And was never too busy to take you in his office and explain
why and how a thing worked.

So, back to the story. I don't know exactly how he found this out, but he
learned that if he took only 1/2 cycle from the substation's SOURCE lines,
it was too short a pulse for anyone to trace the origin, and wouldn't show
up as more than a (SERIOUS) transient. This went on for the testing period-I

don't recall, but it seems like 3-6 months or so, only periodically. It came to a head when he sort of 'fessed up' to FLA Power AFTER the testing was completed. Within minutes there were all sorts of official types at the gates, and a lot of explaining had to be done, with restitution for the power consumed. They were so glad to find out what it was, that no charges were pressed.

What no one ever told me was what he used for the switching... but, it was a legend where I worked!

Please excuse the off-topic tale

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Think you can, think you can't:  
either way you're right!" Henry Ford  
~~~~~

Date: Wed, 17 Mar 1999 09:02:40 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [35772] Re: SV: Red Hot 40 Transceiver Photos
Message-ID: <19990317.091957.-4100593.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Personally, I very much like the flathead allen hex screws. They, plus the pretty anodizing of the case give the rig a unique, aircraft or avionics type look. The only thing that would be even more coo, is to use Dzus fasteners. If you don't know what those are, then never mind.....

And, those little screws keep other folks from piddling with my rig's innards! 8^)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Mar 1999 11:25:40 -0500
From: "Charles D. Feigley Sr." <wa8cul@gte.net>
To: qrp-l@lehigh.edu
Subject: [35773] Thans to All
Message-ID: <36EFD784.13E4@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone for the information on joining the ten tec list.
Once again this great group of people came through.

Thanks,
Charlie

--
Charles D. Feigley Sr. WA8CUL EL87PW
6030 150 Ave. N. wa8cul@gte.net GMT -5.0
Clearwater, Florida 27.93 Lat.
33760-2180 -82.73 long.

Member Of: The Society of Amateur Radio Astronomers
QRP-L #1752

Date: Wed, 17 Mar 1999 09:49:44 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [35774] Re: Why we're on 14.060
Message-ID: <199903171649.JAA08528@usr06.primenet.com>

N3BJ wrote:

>
> If QRPers looked around teh band for QSOs, and perhaps didn't
> sign /QRP, they would find their horizons limited only by band
> conditions. Try it!

That's funny - I always sign /QRP and regularly work
PacRim DX, and last night worked Finland, England and
Estonia. From a HB 1/4-wave wire vert on 30m no less.

My horizons seem to expand across the oceans just fine
using that method. ;-) If it skips over a few small
minds who don't like QRPers, certainly ain't my loss. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 17 Mar 1999 11:53:02 -0500
From: Brien Pepperdine <pepperrb@govonca2.gov.on.ca>
To: qrp-1@lehigh.edu
Subject: [35775] QRP + rig for sale
Message-ID: <3.0.6.32.19990317115302.007a4380@govonca2.gov.on.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I wish to sell the QRP+ I have.
This is mint, never been used portable/mobile. I found my smaller homebrew
stuff is what I took outside.
This is a later release of the EEPROM, if not the last, given the keying
increments, and that it was purchased just before the QRP++ was released.

400 Dollars U.S.,
plus your chosen method of shipping. I have the original box with the foam
inserts. Would of course double-box in 'float' mode.

Brien Pepperdine
pepperrb@gov.on.ca
Toronto

Date: Wed, 17 Mar 1999 08:58:45 PST
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-1@Lehigh.EDU
Subject: [35776] CW ques, followup
Message-ID: <921689925.28224.555@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

Thanks for the many informative responses to my CW questions. I've had trouble responding individually, but here are some follow-ups to a few comments.

MEANING OF AR, ETC. Bill K4AHK wrote:

>AR is used at the end of a transmission (usually a CQ) to invite anyone
>to reply - as opposed to K at the end to tell the person you are
>already communicating with to reply. ie: AR is generic and K is
>specific

I like this explanation, but then I'm still a little confused by the difference between K and KN, given what Bill says for K.

RARE CHARACTERS. Mike Miller, KG9ML wrote:

>Boy, if you've got a morse code character for an exclamation point, please
>let me know!! :)
>I never thought there was one, and I miss it!!!!!!!!!!

I saw this code and many other rare codes (punctuation, non-English marked letters, etc) in the ARRL Handbook. I'm sure if you used one of these, no one would know what it was. But let's say a guy lives in Lubeck (imagine an umlaut over that U) or Bilbao (imagine a tilde over the A). Do they just pretend it's not there (which is considered a misspelling in those languages) or use the correct code, which most people won't know? The umlaut actually has a solution: drop it and put an E after the vowel. But a grave accent, cedilla, etc, don't have substitutes. How do "foreigners" handle this? (My sister, a UN employee, objects to the term "foreign". :-)

FARNSWORTH ON TESTS. Tom Isgro K8CZ, wrote:

>>[Ziliak says] the FCC 13-WPM test does *not* use Farnsworth.
> Totally false. The testing sessions my group runs uses ARRL test tapes
> and they are Farnsworth spaced except for the 20WPM exam which is
> strictly 20 WPM.

Another responder disagreed with the above and agreed with Ziliak, that the test is non-Farnsworth. I get the impression that these tests are not totally standardized. I just hope mine is Farnsworth because at this point I can't make sense of those fill-every-millisecond long dots and dashes.

LONG CODE FOR LETTER O.

My question was why O has the long three-dash code when it's so common. In one ranking I've seen, O is ranked fourth (after ETA), and M is somewhere below 11th (that's as much of the list as I remember). Many of the

abbreviations people use exist to avoid 0: CPY, HPE, FER. Most of Samuel FB's choices seem pretty good, but this one looks like a mistake. Among numbers, it's similar: zero is possibly the most common digit but it has the longest code.

Christopher Brewster, kc evq
brewsq@excite.com 612/475-0477
Plymouth, Minnesota

Get your free, private email at <http://mail.excite.com/>

Date: Wed, 17 Mar 1999 16:58:57 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <gsurrency@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35777] Re: SV: Red Hot 40 Transceiver Photos
Message-ID: <005e01be7097\$73355440\$e642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK Gary, I'll quit whining about the screws. =8-) Its just that I'm always poking into the radios innards and I frequently have a phillips or flat screw driver in my pocket protector for just that purpose. A set of allan wrenchs won't fit in MY pocket protector, hi hi. Unless of course, they could put that neat little wattzit underneath to hold it like they do with the Bencher paddles, cool eh?

Back to worrying about where I should operate on 20. 14.040 or 14.060?
Gess I'll go somewhere in the middle ;-)
de Steve, W8SFF

Date: Wed, 17 Mar 1999 12:08:56 -0500
From: John Levreault <jlevro@mediaone.net>
To: ap036@detroit.freenet.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35778] Re: SV: Red Hot 40 Transceiver Photos
Message-ID: <36EFE1A8.13519050@mediaone.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve Sorrell wrote:

> OK Gary, I'll quit whining about the screws. =8-) Its just that I'm always
> poking into the radios innards and I frequently have a phillips or flat
> screw driver in my pocket protector for just that purpose. A set of allan
> wrenchs won't fit in MY pocket protector, hi hi. Unless of course, they
> could put that neat little wattzit

Fahnestock (sp?)clip.

John nb1i

> underneath to hold it like they do with
> the Bencher paddles, cool eh?
> Back to worrying about where I should operate on 20. 14.040 or 14.060?
> Gess I'll go somewhere in the middle ;-)
> de Steve, W8SFF

Date: Wed, 17 Mar 1999 11:16:25 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, brewsq@excite.com
Subject: [35779] Re: CW ques, followup
Message-ID: <199903171717.LAA02641@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I always wondered about O being so long. I assumed that common letters (E,I,S,T,M,O) were given "all dit" or "all dah" codes that were simpler to remember. I'm sure that there was some system. Maybe a code historian on the list has an answer.

As to "non standard" characters, I assume that if I send anything other than the 26 letters of the English alaphabet, ten digits, period, comma, question mark, slash, BT, AR, SK or KN, that I will be misunderstood. I'm sure that someone knows the codes for ampersands, asterisks, and such, but if I was sent that character I would just put a mark on my copy to indicate a missed character.

73 Bryan W8LN

Date: Wed, 17 Mar 1999 09:38:30 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [35780] Responses to recent posts
Message-ID: <36EFE896.475C@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have posted several inquiries of late on qrp-l. I thought it might be useful to now post the results of those inquiries.

1) Inquired about a good CW op to accompany me on a 9-day QRPing trip in Yosemite. Two responses, one of those may join me in July.

2) Inquired about a used 10m beam. No one had one to trade or sell. But I did find that AES still has TEN3 beams available (\$149) and that HyGain has a comparable antenna (103BA) for \$104~~. I may try making up a fixed wire yagi first. (Does anyone have a known dimension set for a 4- or 5- element wire yagi for 28.3?)

3) Inquired about finding a magnifier lamp. Many replies. I got one for \$19 at Home Depot, 1 mi from our home. I had no idea they carried them!

4) Inquired about trading a NC20 kit towards a Sierra. No replies. Presently negotiating to build it for a ham who cannot build one himself. (I decided to not make up a 40m conversion of the NC20 on my own but rather wait for AD6As kit this summer).

5) Inquired about a group effort to go to a hilltop in the East Bay hills. No responses. Either I will go 'solo' or join the gang at the beach near Santa Cruz. (BTW: you can see California Burger, the NorCal meeting place, from all of my preferred hilltop sites).

73

Allan K7GT

--

|

	/	
	/	
Allan Taylor, PE K7GT	/Z \	
k7gt@arrl.net	/ /599 \	QRP-L 1016 FISTS 3222
operating nr SF/Oakland CA	/_ /____ __\	ARS 228 10X 69929
..."QRP, QRO, or barefoot..."...	[\-----/	DXCC 8171/CW 1395/40m

Date: Wed, 17 Mar 1999 08:57:43 -0900
 From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
 To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
 Subject: [35781] Brown Brothers Keyer Brochure - 1978
 Message-ID: <36EFED17.9FEF4BD8@pobox.alaska.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Greetings from Alaska!

I received several requests for additional information. As such, I have added the Brown Brothers Keyer Brochure from 1978 to my web page. It is in the additional information page.

Please note, it is too big for a 15 inch screen (just a little bit too big) but I left it that way so that the detail and the words would not be lost. You can always save the .jpg file and resize or rotate it as your needs dictate.

Enjoy!

--
 73, Jim, AL7FS -- Anchorage, Alaska
 mailto:al7fs@qsl.net http://www.qsl.net/al7fs/

Date: Wed, 17 Mar 99 12:26:05 -0500
 From: Chuck Adams <adams@ticnet.com>
 To: qrp <qrp-l@lehigh.edu>
 Subject: [35782] Pacificon Swapmeet
 Message-ID: <E10NKBh-0002vt-00@smtp.ticnet.com>

Gang,

All of us that go to Pacificon know about the parking lot on the apron of the airport and the swapmeet and the lack of good stuff for the QRPers. There was some stuff but not enough.

Well, I have good news. For this year the Pacificon committee is going to go out of its way to help us. They are making a concerted effort to get dealers from the bay area and other parts of the country to display and sell at Pacificon. The bay area hams can tell us all of the bargains they have access to due to the high tech industries located in the area and the surplus stores.

So everyone that is in that area of the country needs to talk it up to their friends and neighbors and drop hints when they are in some surplus place etc. that they may want to consider on getting in on the latest "gold rush" in CA. :-) Especially if they sell parts that homebrewers need all the time or even part of the time.

And the rest of us need to tell the rest of dealers that they need to be there also. It is the Dayton-like event on the West Coast and more relaxed and nice weather.

Thanks to NorCal QRP Club and the gang out on the west coast for making the event a premier event for QRPers and it's like the State Fair of Texas - it gets bigger and better every year.

Now for the lesson of the day. It makes no difference which part of the country we're talking about. The locals need to make calls and beat the bushes to stir up hams and commercial vendors to attend these things. Over the years we've seen attendance dwindle everywhere but a few places. It only takes a moment to understand what is going on. There are a lot of people staying at home because you and I haven't called them up and invited them out. Offer them a ride. Have them bring the old HW-7/8/9/16/... or parts or whatever they will never use and could be put back into operation by someone looking to get into QRP for the first time or again after years of being QRT. You know what I mean.

Send the invitations gang and they will show up. There's a lot of people they haven't seen in a long time and would be glad to see them again.

I and few others will bring money.... :-)

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60

<http://www.ticnet.com/k5fo>

Date: Wed, 17 Mar 1999 10:34:46 -0800

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@lehigh.edu>

Subject: [35783] Atlanticon Weather???? (Long)

Message-ID: <01be70a4\$d571b920\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I am not going to be able to attend, darn it, but it has become traditional to inquire about the weather forecast for huge QRP gatherings, and the Atlanticon QRP Forum put on by the NJ QRP Club is going to be huge. Think of it, it has all of these features:

1. NO charge for admission, FREE!!! It is being subsidized by the NJ QRP Club as a way of saying thank you to all QRPers for supporting their club projects, and as a way to give something back to QRP. Another qrp event in the tradition of Rochdale, Yeovil, Hamcom, Pacificon, Ft. Tuthill and Ft. Smith.
2. It provides a venue for a QRP forum on the East Coast, right in the population center of the country. Think of all of those QRPers in driving distance of this event!
- 3 A special excursion Friday afternoon to the nearby Space Sciences Institute to tour the Hubble Telescope Control Center, with Paul Harden, NA5N as the guide.
4. Friday evening QRP Open House and Social, with all speakers attending. Here is a chance to meet and talk with all of your friends you have met on the list and on the air. Held at the hotel.
5. Saturday morning and afternoon is the main event of Atlanticon 99: seven major QRP presentations! Conducted in a conference format, each author will

present his material to an audience of about 150 QRPers, replete with overhead slides, handout material and live demonstrations.

The lineup of speakers is just phenomenal! ... Dave Benson, NN1G, Paul Harden, NA5N, L. B. Cebik, W4RNL; Chuck Adams, K5FO; Joe Everhart, N2CX; Steve Weber, KD1JV; and Bob Berlyn, N1PWU.

Plus there will be a free compendium for all attendees, edited by George Heron, N2APB.

6. There will be a second "QRP Social" on Saturday evening, starting at 7:30pm in the ballroom. The authors of the QRP presentations made that day will all be present to informally and individually discuss their topics with the attendees.

The main event of this evening's gathering is the homebrew building contest. Many tables are provided in the ballroom hall and QRPers lay out their homebrew projects while everyone informally mills around the tables asking questions about the projects, comparing construction notes, etc. This will be a chance for you to bring along and show off that homebrew gem you've been working on in your shack all winter.

You can bring along any project - whether it's a kit you built up, or your own design from scratch. PCB or ugly construction. Transceiver or test equipment. Antenna or software program. Whatever interests you have will very likely be of interest to all of us! You may even get some scathingly brilliant ideas from the others showing off their projects.

The neat part of this evening is that there will be a judging of all entries and prizes will be awarded to the winners in several categories. After a suitable amount of time allows everyone to view the projects, the judges (who have been taking notes while viewing all the projects) will announce their findings and award the prizes to the winners in several categories. This is always an exciting event for all involved!

7. Prizes. Boy do they have prizes. Pre-registered attendees are eligible for a NorCal 20 transceiver, plus many, many other prizes.

8. Here are the directions to the big event.

The Timonium Holiday Inn Select is located north of Baltimore, just off I-83 above the I-695 beltway.

>From the north, take I-95 south to I-695 (the Baltimore Beltway). Take the Beltway west toward Towson until you reach I-83 north. Take I-83 north and get off at exit 16 and enter the hotel by way of Greenspring Road.

>From the west, follow I-70 to I-695 (the Baltimore Beltway). Take I-695 north (Inner Loop) toward Towson until you reach I-83 north. Take I-83 north and get off at exit 16 and enter the hotel by way of Greenspring Road.

If you're flying into town, it's best to come into the Baltimore-Washington International Airport (BWI) which is about 20 miles from Timonium. Also, Washington National, located in Washington, D.C., approximately 35 miles south of Baltimore. Dulles International, west of Washington D.C., could

also be used but it is less convenient.

Taxis are available at BWI at all arrival times.

BWI airport cab (410) 859-1100

Yellow cab (410) 685-1212

Approx cost to/from Hotel \$35.00

Alamo, Avis, Budget, Dollar, Hertz, National and Thrifty all have rental counters at BWI.

9. Registration Information:

In order to provide a smooth check-in at the start of the Atlanticon QRP Forum, they are providing pre-registration for those intending to attend. If you let them know you're coming, they will issue you a QRP forum registration number and prepare for you in advance a fabulous-looking badge. Contact Dave Maliniak, N2SMH (dmaliniak@penton.com) and provide your name, callsign and ground mail address. Please make the subject of your e-mails read: "Atlanticon Badges". You may also contact Dave by ground mail at: 54 East Gramercy Place, Glen Rock, NJ 07452.

The Atlanticon badges will be handed out to all pre-registered attendees when they arrive at the Friday and Saturday QRP events at the hotel. These colorful badges are cleverly designed and each one contains a unique "Atlanticon registration number" that identifies the QRPer for the many prize drawings to be conducted throughout Atlanticon. The Atlanticon badges are bound to be collector's items to rival the NorCal Zombie badges as QRP status symbols!

I looked at the list of pre-registered qrpers and it made me green with envy (thank goodness it is St. Patrick's day so no one will notice, grin). Jim and I will not be able to attend this year, but we have it on our list of must do for 2000. We do want to encourage everyone to attend, and we want to congratulate the NJ Club for all of the hard work that they have done in order that QRPers can enjoy the hobby. We appreciate all of your work guys, and wish you the very best luck with the event. It is already guaranteed to be a fabulous success. Enjoy the weekend, guys, and have FUN!! Thanks for sharing what you have with the QRPers. Once again you have proven that a local group of guys can have a significant impact on the hobby. You all deserve to be commended for providing this at no charge, the true spirit of QRP, sharing, is once again expressed.

I just wish that Jim and I could be there, but it is just not possible this year. You will be in our thoughts. 72, Doug, KI6DS

PS, if you want more detailed information, check out the following:

<http://www.njqrp.org/atlanticon/>

Date: Wed, 17 Mar 1999 13:36:43 EST
From: FrConrad@aol.com
To: qrp-l@lehigh.edu
Subject: [35784] 14.060 Discussion Disassembling
Message-ID: <6841e28e.36eff63b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

To the list:

Unless I have missed an important knot in this thread, which now seems to be unraveling....

The question is not, "What is the appropriate use of a calling frequency?"...

nor is it,

"Is it best to call CQ on the calling frequency or to hunt and pounce?"...

nor is it,

"What are the proprietary rights associated with a calling frequency?"

but rather, the question is,

"If one is going to have a calling frequency, is it wise to have it at 14.060 where you have about 4KHz between folks calling CQ FISTS, and folks running data, or, would it be better to have the calling frequency at 14.040, where there is 10 KHz of open band either way?"

Have I missed something here?

John+
WB6MFS

Date: Wed, 17 Mar 1999 13:39:36 EST
From: Jkn1olo@aol.com
To: kreinbd@ccgate.dl.nec.com, qrp-l@lehigh.edu
Subject: [35785] Re: Now info on IC-706MKII, Alinco DX-70T

Message-ID: <200a06bf.36eff6e8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Use my IC706 mostly portable. I love the rig. I have the older, original but its great on every mode I've worked both qrp & qro. At the time I purchased mine I had a choice btwn the DX70 and the IC706. The 706 won hands down because I had full power on 6 and the availability of 2 albeit with low power.

John Kalotai

Date: Wed, 17 Mar 1999 10:47:11 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [35786] J. M. March Paddle Price Please
Message-ID: <19990317184711.4969.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Only for the KEY people on the list:

Does anybody know the price J. M. March of Winchester, VA charges for his iambic paddles with repulsive magnetic return action? Thanks.
Bruce Prior Blaine, WA N7RR n7rr@hotmail.com
Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 17 Mar 99 13:05:29 -0500
From: Chuck Adams <adams@ticnet.com>
To: Brad Hernlem <alihernlem@hotmail.com>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [35787] Re: Pacificon Swapmeet
Message-ID: <E10NKnP-00037S-00@smtp.ticnet.com>

Brad,

Thanks for the note.

I know about Livermore every month and those guys/girls need to know about Pacificon, both attendees and vendors. It will be their chance to interact with people that would not

normally be at the Livermore swapmeet. Maybe someone could suggest that they one month of the year move it to Concord CA.

There may be a chance for some people that keep bringing back the same stuff month after month at Livermore to have someone come along at Pacificon that has been looking all over the rest of the country for the same item. Tourists are always looking for something.... :-)

I've been to Livermore swapmeet several times and there are some nice items everytime. I don't think I ever left with the bag empty. The best bargain on an attenuator made by Kay Elemetrics Corp, Model 461B, I got for \$10 or so at Livermore. Had to take 30 mins to get it working again but for an item that used to list for more \$2,000 it was worth the effort.... precision machining and all.

I'm going to copy this little tidbit back to QRP-L. Another idea is that someone or group at Livermore and other local places circulate little notes on dates for Pacificon etc. and contacts to arrange for a table/space/... inside or out. I'm sure someone on the committee at Pacificon will see it and act on it, but the more the merrier. I know it is some time until Pacificon but it is never to early to start planning.

If it can be shown that it is worth the effort to be there, then I'm sure the swapmeet will be even a greater success and of course increase attendance this year and the years following.

Thanks again for the note.

I am not on the Pacificon committee and get no money for this blatant advertising. :-) I'm looking for the bargains just like the next ham.

dit dit to all

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Wed, 17 Mar 1999 14:04:52 -0500
From: "Ed Tanton" <n4xy@mindspring.com>

To: <n7rr@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35788] RE: J. M. March Paddle Price Please
Message-ID: <004001be70a9\$0959b310\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh come now Bruce... I know you must like springed paddles better... but I don't think the magnetic ones are "repulsive"!

At least, I like mine a lot better than that. <grin>

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

///snip

Bruce Prior

Subject: J. M. March Paddle Price Please

Only for the KEY people on the list:

Does anybody know the price J. M. March of Winchester, VA charges for his iambic paddles with repulsive magnetic return action? Thanks.
Bruce Prior Blaine, WA N7RR n7rr@hotmail.com

///snip

Date: Wed, 17 Mar 1999 13:02:37 +0000
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35789] RE:RED HOT 40
Message-ID: <36EFA7EC.635A22CD@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Chuck,
Just noticed while looking at one of your pictures of the Red Hot 40 the shelf in the background. Looks like quite an arsenal of QRP rigs. Maybe you could get a shot of it and post it? We inquiring minds want to see!!
73 de w5jay..

Date: Wed, 17 Mar 1999 11:14:53 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [35790] Jim Larson's Web Page
Message-ID: <01be70aa\$709644c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, you gotta check out Jim's page. Great Job JIM!!! There are 3
articles you must read:

QRP - Getting Started: Lots of good information and very well presented.

.
A QRP Transceiver for Less Than \$10.

This one is a great source for the guy wanting to get started.

.
Elmer 101 and Low-Cost QRP Transceivers

.
A great history of how and why Elmer 101 came about and started.

Jim also has a copy of an original Brown Brothers Paddle Brochure on the his
site under Additional information. A true piece of QRP history. Last summer
Dave Gauding took me by the original Brown Brothers factory (it was in the
basement of their house). Chuck Adams just gave me a restored Brown Bros.
paddle, and I love it. Thanks again Chuck. And thanks to Jim for posting
the brochure on the web page.

<http://www.qsl.net/al7fs/NewsLtr.html>

72, Doug, KI6DS

Date: Wed, 17 Mar 1999 14:15:20 -0500
From: Bill Cotter <bcotter@pop.uky.edu>
To: qrp-1@Lehigh.EDU
Subject: [35791] FS: 1936-1998 QST FY/ARRL Handbooks & Pubs
Message-ID: <3.0.5.32.19990317141520.009aa9d0@pop.uky.edu>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I need to get my garage emptied out so I can fill it with fresh junk. The boxes of QST magazines are the first to go. Now's the time to get copies of thos QRP/BA articles you always wanted (but didn't know it). Here are several full-years of QST for sale. USPS 4th Class Bookrate can get volumes to your door for under \$5ea CONUS.

QST FULL YEAR VOLUMES

98	VERY GOOD	\$8	
97	EXCELLENT	\$9	
95	VERY GOOD	\$8	
93	EXCELLENT	\$9	
92	EXCELLENT	\$9	
92	EXCELLENT	\$9	
91	EXCELLENT	\$9	
91	EXCELLENT	\$9	
90	EXCELLENT	\$9	
89	EXCELLENT	\$9	
87	VERY GOOD	\$9	
86	GOOD	\$8	
85	VERY GOOD	\$9	
85	GOOD	\$8	
80	GOOD		\$8
78	GOOD		\$8
77	GOOD		\$8
74	VERY GOOD	\$9	
72	VERY GOOD	\$9	
72	VERY GOOD	\$9	
71	VERY GOOD	\$9	
71	VERY GOOD	\$9	
70	VERY GOOD	\$9	
70	GOOD	\$8	
69	GOOD	\$10	
68	VERY GOOD	\$11	
68	VERY GOOD	\$11	
62	VERY GOOD	\$11	
61	VERY GOOD	\$11	
60	VERY GOOD	\$11	
59	VERY GOOD		\$12
59	GOOD		\$10
56	GOOD		\$10
55	VERY GOOD	\$12	
55	GOOD	\$10	
47	VERY GOOD	\$20	BOUND VOLUME

36 EXCELLENT \$24

ARRL Handbooks

78	VERY GOOD	\$8.00
77	EXCELLENT	\$10.00
77	VERY GOOD	\$8.00
73	VERY GOOD	\$8.00
69	VERY GOOD	\$9.00
69	VERY GOOD	\$9.00

ARRL Publications

91	ARRL Antenna Book - 16th ed	EXCELLENT	\$16
77	ARRL Antenna Book - 13th ed	GOOD	\$12
72	ARRL VHF Manual	EXCELLENT	\$10

Thanks,

73 es tn timer Bill N4ALG

Bill Cotter, N4ALG E-mail: bcotter@pop.uky.edu
173 Carolyn Lane Home: (606) 887-5563,2402
Nicholasville, KY 40356-9340 Work: (606) 323-6474

ARRL ARCI #9878 QRP1 #1646 QCWA #29393 FISTS #4535

Date: Wed, 17 Mar 1999 13:25:27 +0000
From: Jay Bromley <w5jay@alltel.net>
To: DYARNES@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35792] Re: Fort Smith Hamfest
Message-ID: <36EFAD47.D311A35A@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave,

Mena is still around and is held on the weekend before Labor Day.
Mena is growing and lodging is not as bad now with a few new motels.
All hamfests have their nitch like Mena's week long camp out, scenery,
ect. A couple of years ago while attending Mena I was asked to do a QRP

forum at the Russellville Hamfest and as they say the rest is history. Mena would be a great place to do QRP event someday if the weather is good. Rich Mountain is definitely not the place to be during a storm! It is still kinda hard to get in and out of, maybe someday they will plum interstate 540 down like they did between Fayetteville and Fort Smith.

Fort Smith's Hamfest didn't start out to be a QRP event it just work into that. I was given the task of doing a QRP forum. Now with the help of Doug Hendricks and Chuck Adams things keep steam rolling along. We also had a ton of help from Paul Harden and Dave Benson. We got a lot of help in the last hour from folks like Embedded Research and ARCI.

Being off Instate 40 we're just a stones throw away from Oklahoma City, Springfield, and Little Rock. There are quite a few that came up from Texas. That's one thing I can say about QRPers is support is always very good at events like this. Dave, I can remember when Memphis had a hamfest as good as Hamcom but, haven't been there is years.

Dave, I am going to try and make it out west this year to both Fort Tuthill and Pacificon. Hope to run into you at one of these. I wish you could make it here this last weekend. I had this ready to post on my lap top but got busy with the fest at the last minute so I hope it doesn't sound to weird. I tried to re-edit.

73 de w5jay..

DYARNES@aol.com wrote:

> Just out of curiosity, whatever happened to the Mena, Arkansas hamfest? When
> I lived in Memphis (a number of years ago) that used to be the hamfest that
> everyone went to. Kind of like our Ft. Tuthill hamfest here in Arizona. Just
> wondered if it still happens and if it is still as big. I know Mena isn't
> that big a place, and finding a place to stay was always a problem.
>
> Dave W7AQK

Date: Wed, 17 Mar 1999 13:33:19 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: N9TA@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35793] Re: Have ya ever noticed ??
Message-ID: <36F0037F.5FE305E4@swbell.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fred Bennett N9TA wrote:

>
> Hi Gang
>
> Have you ever noticed how, when joining a qso with
> some fellow who's running about 800 watts, that even
> though he gave you a 579 signal report, as soon as you
> tell him you are QRP at about 3 watts....he can't seem
> to copy you anymore.....hi hi hi.

Fred, prior to telling him you were qrp he probably couldnt come up with a reason in his own mind for why you were so weak. As a result he likely inflated your signal report to 579 from say a true 559 or less, so as not to offend you. If you were really a 579, he probably would have given you a 599. :-)

Later qsb or qrm may have covered up what was really a 559 signal to begin with. Its not unusual for a signal to wade 3 s-units. Add some idiot calling cq off to the side and you have an explanation for why he couldnt copy anymore.

BTW, when working dx, its been my experience that few stations ever give anything other than a 599 or 559. One rst meaning no trouble copy, the other meaning I have to focus but I want the card. :-)

73 de Dave, N0IT

Date: Wed, 17 Mar 1999 11:37:59 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [35794] Why don't we make 14.040 or 14.045 the QRP-L calling freq?
Message-ID: <19990317193759.1141.rocketmail@send103.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Seeing how I had a hand in starting the lastest discussion on the 14.060 calling frequency. 8-)

Why don't we make 14.040 (RTTY DX?) or 14.045 the QRP-L calling frequency?

This would help us to work each other and move some of the QRP away from the digital boys. Hopefully becoming it a permanent arrangement.

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 17 Mar 1999 13:46:23 -0600
From: Bob Reynolds <breynold@sigg.com>
To: w5jay@alltel.net, qrp-l@Lehigh.EDU
Subject: [35795] RE:RED HOT 40 -Reply
Message-ID: <99Mar17.134616cst.27167@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Title reminded me of my novice days I worked a friend at the Mena boy scout camp using a stove for an antenna. The heat in the cabins at the camp was an old pot-belly stove and chimney through the roof. Later that night I worked Mike again and he said with the lights off, the stove was definately glowing red. The "red hot" antenna did not improve the signals.

73, Red K5VOL

Date: Wed, 17 Mar 1999 13:52:41 -0600
From: Michael Melland <badger@vbe.com>
To: qrp-l@Lehigh.EDU
Subject: [35796] RE: Test equipment...0'scopes
Message-ID: <36F00808.76D7@vbe.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There having been some discussion on the list regarding test gear and Oscilloscopes I thought I'd pass along some information I got from Lew Coppes today (Tuscon,AZ). He has some lab quality scopes currently in inventory.... (he also has portables 465,475, TM500 series etc.)

Tektronix 7603 (100mHz frame) with two 7A26 dual vertical amps (200mHz amps - the dual amps make these 4 trace scopes)and a 7B53A 100 mHz (with variable delay) time base..... \$275 plus shipping

Tektronix 7613 (100mHz storage) same amps and time base.... \$350 plus shipping

Tektronix 7623 (100mHz storage/with persistance) same amps and time base... \$375 plus shipping.

Scopes and plug-ins are checked for proper operation and have a 30 day money back offer. My 7603 was purchased from Lew about two months ago and works great..... a few scratches, a few small dings, and a little dusty but I cleaned it up and repainted the side pannels and it looks great ! Lew was an supervisory engineer for ATT until he retired..... he really knows test gear and gives great, honest advice. And.... no, I'm not related to him and I have no interest in his business. I'm just a very satisfied customer. He can be reached at lcoppes@primenet.com or at 520-749-8471.

73 de Mike Melland, W9WIS
qrp-l #1656
Oshkosh, WI

Date: Wed, 17 Mar 1999 13:01:14 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: Brian Kassel <bkassel@dancris.com>
Cc: qrp-l@lehigh.edu
Subject: [35797] Re: [azqrp] Ed, W1RFI Attending Tuthill?
Message-ID: <199903171957.MAA00781@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:38 AM 3/17/99 -0700, you wrote:
>Date: Tue, 16 Mar 1999 11:45:08 -0500
>Fellow ScQRPions:

>
> Does this mean that Ed will be attending Tuthill?
> Maybe we should try to squeeze him into a speakers slot,
> even though we have pretty much finalized the list.
> In his message it would appear that he expects to do
> a talk. Just an idea. What do you'all think?
>

> From what I gather, he is involved with the Weak Signals group that Norm
mentioned....he said that Ed was the contact for them.
He sure would be welcome at any of our doin's, tho.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Wed, 17 Mar 1999 13:02:33 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: flydnq7x@primenet.com (Floyd Smithberg)
Cc: qrp-1@lehigh.edu
Subject: [35798] Re: [azqrp] Ed, W1RFI Attending Tuthill?
Message-ID: <199903172005.NAA02129@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:49 AM 3/17/99 -0700, you wrote:

> Been thinking the same...also, we have other 'notables' coming and wondering
> if we might have a slot allowing each 10-20 minutes to address the group?????
>
>> Does this mean that Ed will be attending Tuthill?
>> Maybe we should try to squeeze him into a speakers slot,
>> even though we have pretty much finalized the list.
>> In his message it would appear that he expects to do
>> a talk. Just an idea. What do you'all think?
>>

Ed is going to speak to the Western States Weak Signals Society, I'm pretty
sure.....they have a thing going on up there as well.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Wed, 17 Mar 1999 14:30:55 -0600
From: mjfitz@uswest.net
To: qrp-1@Lehigh.EDU
Subject: [35799] BETTER 7 MHz VFO
Message-ID: <36F010FF.8603DACD@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Girls & Boys--

Many thanks to those who responded to my plea for a more

stable direct-generation 7 MHz VFO a few weeks past...
Although many of the suggestions were excellent, I was
surprised
that no one mentioned using an air-core inductor, an
alternative
which has now been tried...and found to be "most
gratifying".
I now have a test-bed VFO that, after a very brief warm-up,
has
measurable drift in the low double-digits per hour (at
normal
home heating system temperature variations) without playing
musical chairs with the caps in an attempt to offset the
temp.
coefficient of a torroid using a mixture of NPOs and
polystyrenes
(as one self-appointed "resident expert" gruffly suggested
--Yes,
I had read most of the "cookbooks" already...THANK YOU!).
Here's the plan--lose the torroid and go with an
air-core
mounted on a support (super-glue it) that itself has a low
temp.
coefficient of expansion so that the coil itself does not
jack up
and down with minute (that's "mi-noot", meaning "small" for
all
you resident experts) changes in temperature--a couple of
ceramic
stand-offs worked great! I used part of a core from
Surplus Sales
of Nebraska--stock no. 632T, 32 tpi, with a total

inductance of
25 uH, 3/4 X 2 inches, and pay \$6 for it, BUT--you can make
three
5.5-6 uH inductors out of one of these if you cut carefully
with
your Dremel cutting disc. Also, use just high-quality NPOs
and
leave the polystyrenes for another circuit. Those will now,
of
course, induce drift.

Just a home-brewin' fool.... Mike KI0AF Mo.
Valley, IA

Date: Wed, 17 Mar 1999 15:42:42 -0500
From: "Stephen Gibson" <SWGibson@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Message-ID: <000401be70b6\$d171af80\$52754e0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Somewhere I read about the use of 2 Hamsticks mounted end to end as a
"miniature" dipole. Can someone fill me in or refresh my memory?

Tnx in advance

72/73

Steve, WB4NBI

Date: Wed, 17 Mar 1999 17:00:47 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Stephen Gibson <SWGibson@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35801] Re: Two Hamstick Dipole
Message-ID: <Pine.LNX.3.93.990317165529.628M-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Steve,

MCM Electronics sells an "adapter" made by Valor to do just that (< \$20 I think?). I tried it with two 40M sticks with very disappointing results. 20 thru 6 seemed OK. But you end up with a \$50-60 monoband dipole with no mounting or feedline. I think some wire, twinlead, and a small tuner is much better for about the same money. (\$10 of wire and \$50 tuner)

Just my .02 dits :)

72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 17 Mar 1999 14:58:35 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
SWGibson@worldnet.att.net
Subject: [35802] Hamstick Dipole
Message-ID: <199903172100.PAA05041@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I use this arrangement now on 6, and I have used it on 17. It has worked very well for a small, simple antenna.
73 Bryan W8LN

> Somewhere I read about the use of 2 Hamsticks mounted end to end as a
> "miniature" dipole. Can someone fill me in or refresh my memory?
>

Date: Wed, 17 Mar 1999 20:01:04 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
To: <n4xy@mindspring.com>
Cc: "QRP List" <qrp-l@lehigh.edu>
Subject: [35803] Re: The half-cycle theft (Off-topic but requested/interesting)
Message-ID: <000001be70ba\$69973de0\$5236883e@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi there Ed,

Like the story, I can see a glimmer of what he was doing. I have to tell you one of my current (!) projects at work is involved with fault and disturbance recording (quality of supplies), and we would now be able to pick this up about three days maximum after he started "stealing" half-cycles. Basis of system samples volts and current A/D conversion manipulates info in Dig form and then D/A back for human consumption via printout.

These are installed at sub-station(s) and using velocity factor averages of cables and cascading the info from different peripheral substations round about the fault site, we can also do distance to fault locations by remote from our computer centre, and then advise linesmen to within about 50metres for initial cable faults.

Regards

Mel GM6JAG
Edinburgh Scotland UK

British Caravanners Club Scotland Website up-dating daily

<http://www.bccscotland.freemove.co.uk>

Over 20 local pages, and linked to over 4500 pages worldwide

Date: Wed, 17 Mar 1999 13:27:30 -0800
From: "Dan Hogan" <dh Hogan@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [35804] Re: SV: Red Hot 40 Transceiver Photos
Message-ID: <199903172120.QAA04361@cliff.concentric.net>

I still have my special screwdriver modified for Dzus fasteners. Hmmm..
a bench rack to slide my little QRP boxes in and out and lock in place.

> Personally, I very much like the flathead allen hex screws. They, plus the
> pretty anodizing of the case give the rig a unique, aircraft or avionics
> type look. The only thing that would be even more coo, is to use Dzus
> fasteners. If you don't know what those are, then never mind.....

>

Dan Hogan WA6PBY
dhhogan@concentric.net
QRP-L #558

Date: Wed, 17 Mar 1999 16:23:15 -0500
From: Wayne A Smith <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [35805] Re: SV: NC20 fun
Message-ID: <19990317.162317.7598.1.k8ff@juno.com>

On Wed, 17 Mar 1999 08:36:53 -0800 william h ross <k6mgo@juno.com>
writes:

>>>>QRPTTF and ARRL FD.

>>>>I've been using my #1 paddle with the wide spacing and solid silver
>>>>contacts with the NC20, seems like a good combination.

>>>>

>>>>Best regards to all, 72 de Wayne K8FF

>>>>

>>>>

>Hi Bill, Before I started using the silver contacts supplied by W7LS, I
used solid silver wire. I discovered that jewelry designers use silver
wire available in gauge sizes just like copper wire. Number 8 silver
wire can be threaded with a die to 6-32 or 5-40 thread. It can even be
turned down in a lathe and threaded with a 4-40 die to permit it to be
fitted into threaded holes. It can be sawed and filed to shape then
buffed to a lustre and appropriate shape to be used as contacts. Good
luck!

Best 72, Wayne K8FF

>Hi Wayne,

>I bought and built one of your paddle kits from NorCal. i believe that
>it was from the second version, as it has the narrow spacing between
>paddles.

>I also just finished my NC20, but, I put it on 40M, with Dave's help.

>Anyway, was wondering about those silver contacts you are talking
>about. Can they be retrofit into an already built kit?

>73/72 & ZUT

>Bill, K6MGO

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Date: Wed, 17 Mar 1999 14:28:44 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35806] AB7TT's 30m DX-Bagging Station
Message-ID: <199903172128.0AA25624@usr02.primenet.com>

Howdy Folks,

I've received a bunch of queries about my 30m setup for working DX, particularly the antenna. Just in case it helps give someone else some ideas, figured I'd post it to the group and let the Lurkers decide. ;-) This is the exact same system (with a "flattop stinger" wire piece added for 40m) that helped me bag 44 General+ Fox pelts in the '97-'98 season.

First off, rig is a Sierra at 5 watts. My antenna is a home made ground-mounted 1/4-wave vertical, pruned to be naturally resonant. No tuner needed. According to my ZM-2 analyzer, it's about 36 ohms at the base, or 1.3-1.4:1 SWR. Just ducky. I feed it with 30 feet of RG-58. Also, I use those tiny "ear buds" for headphones. Not the cheapy ones, rather a good quality pair.

My vertical uses 34 radials (900 ft of coated copper wire), each about 30 ft long. Some longer, some shorter, depending on backyard limitations. For a *ground-mounted* 1/4-wave vert, the literature seemed to agree that:

- 1) Exact length of radials wasn't critical.
- 2) The more radials the better, with sharply diminishing returns after 32 radials.
- 3) Given the same total length of available wire, "more radials" is better than "fewer but longer radials".
- 4) Radials didn't need to be any longer than the height of the radiating element.

Since I live in a "no antennas" neighborhood, I installed a fencepost in the middle of the radials. At the base is a coax connector, ground side soldered to the radials,

"hot" side connected to a 5-ft wire that runs up to the top of the post.

OK, now you're thinking "What the...". This is where it gets neat. At the end of that wire is a female gold-plated banana plug. What I do when I want to operate is take a black fishing pole (20-ft) and attach it to the post. A wire runs along its length, with a male gold-plated banana plug at the bottom. I plug the corrosion-proof connectors together, and VOILA! Naturally resonant 1/4-wave vert! No trees needed!

If I want to work a different band, I just "plug in" a different (often smaller) pole that's also been pruned to resonance for the band of choice.

Since the pole is black and narrow, you simply can't see it in the dark! The neighbors wouldn't have a clue there's a ham living/operating next to them! When I'm done, I simply pull the fishing pole down. Nobody's the wiser. Great DX (and general coverage) antenna, stealthy CC&R-proof design, no compromises, good efficiency. Stealth hamming at its best!

That's about it. Not hard, no magic. Just a good basic antenna that manages to beat every CC&R designed to thwart effective HF hamming. :-) Good luck out there, and hope you have fun!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 17 Mar 1999 16:28:11 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [35807] I DIDid IT... WIRE/ROPE ANTENNA
Message-ID: <19990317.163103.-341115.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hIGHEST gang:

Well, now that my button is back in it's proper place.... hee hee... I took myself outside today and interlaced my twenty meter yagi with my 40 mtr yagi... wire/rope construction of course...

The result is most lovely.... for those who like low swr.... how's less than 1.4-1 across the bands.... (40 & twenty)

I use my standard 468/fmhz = 1/2 wave and took off 6% for the director and spaced the driver and dir .1 wave apart 14ft and 7ft (40 - 20 mtrs)

I put the twenty meter elements inside the forty mtr elements and anchored the ends of all elements to the wood dow rods (14ft long each) I have hauled up with rope...

I also have a wood dow across the center of all the elements.... this keeps them aligned and all sagging about the same.... ant is coax(s) fed.

I guess it's about forty ft high and pointed sw from maine... The forty meter ant worked just fine (had it up for a while) and the twenty meter ant seems to be working fine into the lower 47 from heah...

My next project is to use wood dowels normally used for hand rails. I will splice three 14ft pieces together... That will give me 42 ft... I can use one of these 42ft pieces on either side of the antennas and this will let me add a reflector to the forty meter antenna and add a this-a-way, that-a-way beam for twenty (this will give me the lower 47 and europe on twenty)..

sure felt good to work up a sweat...

god bless

joel kella, displaced cajun, suffering from the prolonged cold...

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Date: Wed, 17 Mar 1999 16:37:33 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [35808] Re: [azqrp] Ed, W1RFI Attending Tuthill?
Message-ID: <36F0209D.7D6B@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob Hightower wrote:

> At 07:38 AM 3/17/99 -0700, you wrote:

> >Date: Tue, 16 Mar 1999 11:45:08 -0500
> >Fellow ScQRPions:

> > Does this mean that Ed will be attending Tuthill?
> >Maybe we should try to squeeze him into a speakers slot,
> >even though we have pretty much finalized the list.
> >In his message it would appear that he expects to do
> >a talk. Just an idea. What do you'all think?

> From what I gather, he is involved with the Weak Signals group that Norm
> mentioned....he said that Ed was the contact for them.
> He sure would be welcome at any of our doin's, tho.
> 72,73
> Bob Hightower KI7MN Chandler, AZ DM43BI

Just to make sure I got it all correctly, I am the official ARRL HQ
traveler to:

1999 Arizona State Convention & Hamfest (Ft. Tuthill)
When: July 23rd, 24th & 25th, 1999
Where: Ft. Tuthill, Flagstaff, AZ. I-17 Exit #337 (Airport Exit)

I am doing at least one presentation in conjunction with the hamfest.
Now, can some of you all fill me in, is the QRP ScQRPions event taking
place simultaneously, or at a different site? Most of my talks are
really not QRP related, so I think that your fine line-up of speakers is
probably a better choice than I, but I sure would like to meet my
fellows and exchange a few QRP tales. My wife will probably be with me
and we will probably rent a car so we can take in a view of that canyon
y'all say you have out there, so I can pop by this infamous gathering at
the campground and swill an few O'Doull's.

I may also be out at the SWD convention at the Queen Mary, so look for
me there, too.

73, Ed, W1RFI
ARRL Lab

Date: Wed, 17 Mar 1999 13:34:07 -0800 (PST)
From: Theodore Wong <wong_th@eng.printronix.com>
To: qrp-l@lehigh.edu
Subject: [35809] Ten-turn pot w/ NC-20
Message-ID: <199903172134.NAA13363@taz.printronix.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-MD5: SANnWdniBQsHlReDeTvi9w==
Content-Transfer-Encoding: 7bit

I purchased the ten-turn pot from Mouser as suggested in NC-20 manual. (\$11.50, ouch!) I'm not sure how to fit it to the pc board. The shaft appears to fit and line up with the existing hole on the front panel after enlarging the hole to .375. My problem is the backend of the pot protrudes into the space where R2 is suppose to be. I can't seem to push enough forward to clear R2 and still have the terminals fit into the holes provided on the pc board. What am I doing wrong? Thanks in advance for your help.

Regards,

Tedd AB6CO

Date: Wed, 17 Mar 1999 14:38:40 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: w1rfi@arrl.net
Cc: qrp-l@lehigh.edu
Subject: [35810] Re: Ft. Tuthill....When? Ft. Smith....Fun
Message-ID: <199903172138.0AA26510@usr02.primenet.com>

Ed (W1RFI) wrote:

>
> Well, it turns out they talked me into going, so I would LOVE to hook up
> with some of the West Coast QRPers. Let me know where and when and I
> will manage to get there.

That'd be great Ed! Flagstaff, AZ, Ft. Tuthill Hamfest/QRP Party, July 23-25. Look for the guys in the Bermuda shorts. :) We'll have full info on ScQRPion Bob (KI7MN)'s webpage after Atlanticon.

> And, I want "in" on the pizza . . . :-)

OK, that's three for pizza so far. Hold the anchovies. *8-)
Please let us know if ya need more info!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 17 Mar 1999 16:39:54 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-1@lehigh.edu
Subject: [35811] Re: Suitable QRP Output Stage Transistors?
Message-ID: <Pine.SOL.3.92.990317162236.28743A-1000000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got some private email about what one might find -
but in the spirit of communication, I'm replying publicly.

At Radio Shack IRF510 is about it.

While you could make watts by paralleling a zillion 2N3904s,
you would still need low-value emitter ballast resistors
(1.0 ohm or so), which are not a Radio Shack item. At least
not at the mall where I go. :-)

F6IWF recently published an SSB transceiver in VHF Communications/
UKW Berichte that used an army of dirt cheap BD135 switching
transistors to make 20-something watts on 40m. But he also
used a whole bunch of 1 ohm resistors while he was at it, as
well as all the other usual goodies (e.g. toroids).

Up to 30m or so is easy. The challenge (especially with the
sunspots building) is going higher.

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Wed, 17 Mar 1999 14:50:31 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35812] Re: AB7TT's 30m DX-Bagging Station
Message-ID: <199903172150.0AA09785@usr04.primenet.com>

I wrote:

>

> According to my ZM-2 analyzer, it's about 36 ohms at the base, [...]

Whoops, I meant to say my Autek RF-1. That's what I get for staying up late and playing radio. *8-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Wed, 17 Mar 1999 15:50:37 -0600
From: "Harley L. Miller" <hmliller@sound.net>
To: qrp-1@Lehigh.EDU
Subject: [35813] Electronics stores in SF?
Message-ID: <36F023AC.70B7@sound.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm going to be in San Francisco for a few days at the end of April, and would like to know about electronic stores and junk shops in the bay area. I know about JameCo, what else is there?

Harley L. Miller hmliller@sound.net
WB0ROQ

Date: Wed, 17 Mar 1999 17:00:00 -0500
From: GRW <n8ayy@amsat.org>
To: ccart@dns.vidtel.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35814] Re: Two Hamstick Dipole
Message-ID: <36F025E0.A687C40E@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chris, your right! Two hamsticks end to end on 40 meters doesn't work very well. The hamstick seems to work better on 40 when attached to a large metal object, like a full size car or van.

I use all my hamstick on a van while camping and do well with them. Even on my car the 40 meter hamstick works very well. If I can hear them, 90% of the time I can work them but my guess is there are many stations on I can't hear because of the antenna, road noise and engine noise. But for twenty dollars, an FT-900 w/built in antenna tuner I have a lot of fun mobil.

Gary/N8AYY

Date: Wed, 17 Mar 1999 16:09:51 CST
From: John F Rayfield <kr0y@juno.com>
To: kizerian@ced.utah.edu
Cc: qrp-1@Lehigh.EDU
Subject: [35815] Re: antenna restrictions
Message-ID: <19990317.160956.14454.0.kr0y@juno.com>

On Tue, 16 Mar 1999 07:53:53 -0700 Bruce Kizerian <kizerian@ced.utah.edu> writes:

>Lynn

>

>There is a website which may help. It is at

><http://www.gate.net/~donstone/antenna.html>. Restrictive covenants are

>very hard to break because they are private contracts which you agree to

>when you buy your home or condo. Basically, you agree to abide by the

>restrictions when you sign the papers to purchase your residence. If

>you want to set up an antenna, you must either get permission from the

>"Architectural Control Committee," or go to court. Good luck! Most

>amateurs >just put up hidden or portable antennas.

The Telecommunications Act of 1996 specifically prohibits almost ANYONE from not allowing TV antennas and small satellite dish antennas. My understanding, after reading this, is that this also means that 'restrictive covenants' in housing subdivisions can not prohibit such TV or satellite dish antennas.

A copy of the Telecommunications Act of 1996 can be found on the FCC's web site at www.fcc.gov.

John Rayfield, Jr.
KR0Y

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Mar 1999 22:41:21 +0100
From: hw.merz@t-online.de (Hanns W. Merz)
To: qrp-l@lehigh.edu
Subject: [35816] Re: How does Sierra behaves in Europe?
Message-ID: <m10N041-0003F1C@fwd06.btx.dtag.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT
Content-Transfer-Encoding: 8BIT

Hi Paolo,

I use a Sierra from Wilderness Radio in South Germany (Bavaria). I have all band modules, a KC2 and the Noiseblanker NB1. Last year I got the fine miniature PA from the DL-QRP-AG (offered by the FUNKAMATEUR, Berlin) and built it into the Sierra on the rear panel. Now I can adjust the power from abt 0,5 to 9 watts output on ALL bands even on 10m.

The Sierra works really great on all bands. The first NE 612 (RX mixer) causes some problems in the evening on 40m with the RF gain control fully opened. But I must say this RF gain control of the Sierra works great and you can reduce or even eliminate the BC interferences in most cases very good. The loss is just low and the CW signals come still clear and readable. Of course, reading very weak signals may be difficult under such conditions but for example my Kenwood TS50S does not do it better. My old Drake Line can sort out the problem! But what a big station and you cannot really compare it with a Sierra :-)

The Sierra is my favourite QRP rig. Lots of fun and ALL HF bands!

72,
Hanns, DK9NL

Date: Wed, 17 Mar 1999 14:19:36 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [35817] 10M HOT to EU!
Message-ID: <36F02A78.4E55@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Several new ones on 10m over lunch hour today. 9H, Malta, is most notable among the bunch. This is the first opening to EU on 10m at that late hour (2000-2100UTC) from the West coast that I have ever witnessed. The rig I have available over lunch won't QRP, but everything I worked could have been done QRP.

Looking forward to tomorrow...

--

```

                                     |
                                   //|
                                 // |
    Allan Taylor, PE  K7GT         | /Z | \
      k7gt@arrl.net           // | /599| \   QRP-L 1016 FISTS 3222
    operating nr SF/Oakland CA   /_||/____|__\_  ARS 228    10X 69929
... "QRP, QRO, or barefoot..."... [\--=====~/  DXCC 8171/CW 1395/40m
~~~~~
```

Date: Wed, 17 Mar 1999 16:28:35 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <wb5rue@stic.net>
Subject: [35818] Tall Rocket Scientist Tales
Message-ID: <000001be70c5\$7f6c3a20\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I know it doesn't quite fit the "spirit of the group" but it's funny.

Kevin, WB5RUE

Taken from a tech support group in the middle of a heavy discussion...

...Right! I run System V on my VIC-20!

Hmmm...well, I am getting SVR4 for my HP 48SX.....

HA! _I'm_ just finishing up a port of VMS for my Timex Sinclair! Top THAT!

I'm running NextStep on Atari 2600 Video Game System.

Just last night I was able to get Windows to boot on my Sears PONG game.

I am replying to this message with my built-in VAX Mailer on my Game-Boy.

I just installed a 23.6 Gigabyte Drive to handle all the replies! However, it only runs at 230,000 Baud due to the large drive slowing it down.

I fear I will not be getting news any longer... The batteries on my calculator-watch is running out.

My calculator-watch is solar... And if I turned off the lights, NO ONE would be getting news...

Feh. I'm so slick NASA just awarded ME the TERADATA contract to run on my TV remote! They liked my proposal mainly because I'm ALSO able to shoehorn in the TEXAS SUPERCOLLIDER computations between commercials! Beat THAT!

Well, well, well. SSC calculations, huh. I built a system out of 2 inches of wire, 3 pennies and a AA battery that does realtime calculations of particle vectors during the Big Bang. A complete simulation of the first 2 years of the life of the universe, accurate to the theoretical limit, takes about 5 seconds.

And you guys think you are so great. I just spent the last half hour getting X11 to run on my slide rule. I am still having problems connecting it to the net around here, but I would welcome any suggestions.

So what!!! I'm running Xinitrc, TWMRC, Internet, and 27 muds off of a paperclip. Not to mention the fact that I am designing a new form of television with 7000 pixels based off a piece of tissue paper. Next!!!

Man, that's baby stuff. I'm running a particle accelerator utilizing matter-antimatter reactions in my doorknob, and calculating everything in the fourth dimension using a single dip switch and a large glass of water.

Child's play, I have an old piece of cheese that is, at this very moment, raytracing an actual model of the universe five hours from now, while at the same time calculating the heat produced from the new intel Pentium.

And you people think that you are hackers! I'm currently engaged in a project which involves simultaneous simulation of multiple universes (To see what would happen if various constants change. $\pi=8.4$ is an interesting one.) My hardware consists of a single wooden pencil (no paper). With it, I can do real-time simulations of 2^{32} universes in parallel.

You guys are wimps!! I've just finished converting a microwave oven into a

paradimensional teleportation device. The only problem I'm having so far is that my breakfast bagel keeps disappearing!! May have to eat it raw . . .

Sorry, that's my fault. I'm afraid that the high-energy laser-pumped negentropic vortex generator I made from my own nostril hair, which is currently cranking out entire new universes at the rate of 7.6 per picosecond, was breaking the FCC emissions limits and gronking your microwave's control panel. It should work properly now. Also, my cat Arthur was FTPing hundreds of terabytes of PD software from Epsilon Eridani in the year 4741 A.D. over the faster-than-light Ethernet interface I built for him, and this may have been loading the Net a little yesterday. My sincere apologies to everyone who noticed any performance degradation.

Date: Wed, 17 Mar 1999 17:37:01 -0500
From: Steve <smann@advi.net>
To: brewsq@excite.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35819] Re: CW ques, followup
Message-ID: <36F02E8D.3259@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My two cents worth...

1. AR and SK

Back in the late 60s most of us didn't have QSK rigs and a QSO was a bit like operation on a repeater. One fellow talks for a while and then he turns it back to the other fellow. As near as I can recall, the AR was sent at the end of the comments just before sending the call of the other station followed by your call. You ended the transmission with a which told the other station you were ready to copy him. At the end of the QSO you sent SK to indicate that the QSO was over.

(Comments) AR (other call) DE (your call) K

When the QSO was ending the procedure was

(comments) AR (other call) DE (your call) SK

2. Why 0 is 3 dahs

The code we use is a variation of the Morse that was developed for railroad telegraph useage in the 1800s. At that time I'm not certain that anyone had done any studies on the frequency of letters in the English language. If the results of such studies did exist at that time, I expect that the people who developed the code we now call Morse were not aware of it. We're looking at the situation with the preverbial "hindsight".

73

Steve, N4EY
Toast, NC

Date: Wed, 17 Mar 1999 15:39:38 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: John F Rayfield <kr0y@juno.com>
Cc: qrp-1@Lehigh.EDU
Subject: [35820] Re: antenna restrictions
Message-ID: <36F02F2A.EB51E205@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks John,

Unfortunately, the act does not apply to amateur radio antennas--maybe someday...

Bruce kk7zz

John F Rayfield wrote:

> On Tue, 16 Mar 1999 07:53:53 -0700 Bruce Kizerian <kizerian@ced.utah.edu>
> writes:
> >Lynn
> >
> >There is a website which may help. It is at
> ><http://www.gate.net/~donstone/antenna.html>. Restrictive covenants are
> >very hard to break because they are private contracts which you agree to
> >
> >when you buy your home or condo. Basically, you agree to abide by the
> >restrictions when you sign the papers to purchase your residence. If
> >you want to set up an antenna, you must either get permission from the
> >"Architectural Control Committee," or go to court. Good luck! Most
> >amateurs >just put up hidden or portable antennas.

>
> The Telecommunications Act of 1996 specifically prohibits almost ANYONE
> from not allowing TV antennas and small satellite dish antennas. My
> understanding, after reading this, is that this also means that
> 'restrictive covenants' in housing subdivisions can not prohibit such TV
> or satellite dish antennas.
>
> A copy of the Telecommunications Act of 1996 can be found on the FCC's
> web site at www.fcc.gov.
>
> John Rayfield, Jr.
> KR0Y
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Mar 1999 14:38:53 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [35821] W5 QSL Buro - need web address
Message-ID: <19990317223853.27608.rocketmail@web710.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I lost the web address for W5 QSL bureau. Can someone send it to me
please? Thanks, Jim KJ5TF

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 17 Mar 99 16:50:40 -0500
From: Chuck Adams <adams@ticnet.com>
To: Allan G Taylor <k7gt@arrl.net>

Cc: qrp <qrp-1@lehigh.edu>
Subject: [35822] Re: 10M HOT to EU!
Message-ID: <E10N0Jm-0004I5-00@smtp.ticnet.com>

Allan et.al.,

I can vouch for 10M being in good shape also.

Today alone picked up some 15 states on the way to
WAS on 10M with 0.95W. :-) I love a challenge but
this is going to be too easy..... See next posting on
FISTS.

Picked up an F8 in the process and she said QSL sure.

Looks like the bands are open every day now.

cu there,

Oh, I tried working Allan the other day from the mobile
setup and the keyer locked up due to low battery. Bummer.
He was 599 into TX.

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Wed, 17 Mar 1999 14:52:48 -0800
From: "Radman" <radman@best.com>
To: <lha@sdr.utias.utoronto.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35823] Re: Suitable QRP Output Stage Transistors?
Message-ID: <199903172251.0AA11796@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Laura et al,

I just was just reviewing Elecraft's PA section in their
new K2. Talk about a nice blend of economy and power...!

Pre-driver: 2N5109
Driver: 2SC2166 (Mitsubishi)
PAs: Two - 2SC1969s (Mitsubishi)

Cool running at a very conservative 10-12Watts, and you could replace *all* of those semiconductors for less than US\$20 and still have change for lunch at McDonald's !! :-)
Amazing times in which we live, eh?

72 - Conrad Weiss - NN6CW

hmm... probably better than using "a zillion 2N3904s" ;-)
??

Date: Wed, 17 Mar 1999 18:00:14 -0500
From: "Kent Babcock,N8WVD" <casey@mufn.org>
To: <qrp-1@Lehigh.EDU>
Subject: [35824] ac generators
Message-ID: <000101be70c9\$f0168e20\$02da6cc6@mufn.mufn.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Some time last year someone had mentioned plans or a URL for converting an AC motor into a 120v, 60 hz generator. Can somebody point me in the right direction, please?

Thanks,

Kent Babcock, N8WVD

Date: Wed, 17 Mar 1999 18:03:28 EST
From: J38AL@aol.com
To: qrp-1@lehigh.edu
Subject: [35825] Re: SV: Red Hot 40 Transceiver Photos
Message-ID: <4aa3cb7c.36f034c0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I agree - the allen head screw is much better than a phillips and I'm sure you

all know how those scratches got in the cases when slotted screws were used!
72 Al N2ZHS

In a message dated 3/17/99 6:52:59 AM Eastern Standard Time,
hans.sundstrom@telia.com writes:

<< Why take away the "allan" screw? Makes an extra even better touch!!!!
73 Hans / SM4ATJ

-----Ursprungligt meddelande-----

Fr n: Steve Sorrell <ap036@detroit.freenet.org>
Till: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Datum: den 17 mars 1999 02:17
mne: Re: Red Hot 40 Transceiver Photos

>These are nice photos, but will the production models have red cabinet
>screws? Also, maybe they could do away with the allan screw head and use a
>flat or philips head screw.
>de Steve, W8SFF
> >>

Date: Wed, 17 Mar 1999 15:09:09 PST
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: lha@sdr.utias.utoronto.ca
Cc: qrp-l@lehigh.edu
Subject: [35826] Re: Suitable QRP Output Stage Transistors?
Message-ID: <199903172309.PAA14343@guille.ECE.ORST.EDU>

Laura and gang,
OK, I'll bite. Some of my favorite QRP final transistors.
Not limited to Radio Shack.

2N2102 ; an oldie but goodie, built my first rig with
a couple of these. Best bands 160mtr - 30mtrs. T0-39
2N3053 ; dirt cheap, rugged, still plentiful,
Best bands 160mtr - 30mtrs. T0-39
2N3553 ; not cheap, rugged, discontinued by Motorola,
but a darn good transistor, good thru 10mtrs. T0-39
2N5913 ; this was a great transistor, can't find anymore,
great gain thru 2mtrs, could never blow it out,
very rugged. T0-39
MRF260 ; expensive, rugged, lots of gain thru 6mtrs,
Put one in my Sierra, works great, in a package
like T0-220 but slightly bigger. About \$13.50 a pop.
2SC1969 ; Lots of gain (12db), good to 10mtrs, cheap, \$2.50

at RF parts, very rugged, T0-220
2SC1971 ; Rugged, good thru 6mtrs, gain (≥ 10 db),relatively cheap,
\$4.50 at RF Parts, T0-220

Roger Traylor
WB4TPW

>
> I got some private email about what one might find -
> but in the spirit of communication, I'm replying publicly.
>
> At Radio Shack IRF510 is about it.
>
> While you could make watts by paralleling a zillion 2N3904s,
> you would still need low-value emitter ballast resistors
> (1.0 ohm or so), which are not a Radio Shack item. At least
> not at the mall where I go. :-)
>
> F6IWF recently published an SSB transceiver in VHF Communications/
> UKW Berichte that used an army of dirt cheap BD135 switching
> transistors to make 20-something watts on 40m. But he also
> used a whole bunch of 1 ohm resistors while he was at it, as
> well as all the other usual goodies (e.g. toroids).
>
> Up to 30m or so is easy. The challenge (especially with the
> sunspots building) is going higher.
>
> Laura Halliday VA3LDH "Que les nuages soient notre
> Grid: FN03gs pied a terre..."
> - Hospital/Shafte
>
>
>

Date: Wed, 17 Mar 99 17:32:04 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [35827] Some FISTS info and 10M [long]
Message-ID: <E10N0xp-0004d2-00@smtp.ticnet.com>

Gang,

Let me put in another blatant plug for a group that is growing more rapidly than any other group that I know of in this hobby and I know a lot of the QRPers are already members, but a few are not and haven't heard.

<http://www.fists.org/>

is the home page. See it for all the gory details.

Their calling freqs are 58KHz up from the band edge on the non-WARC bands. You can hear someone calling CQ FISTS when the bands are open.

They have a number and they want yours. When you work a 100 members you get a CC (century club) number and you'll hear the ones that have that give it also. So I guess there might be a WCC number later for Worked a Hundred FISTS with Century numbers.... It is mind boggling. Oh, you can collect the numbers while you are waiting to get yours.

Most importantly is that they have a QSL buro (abbreviation for bureau). Check the web page to see if you have a card or cards waiting for you. I apologize as I have 8, but I remedied that quickly with a group of SASEs to them with some personal funding to help them out. SASE is #10 business envelope with \$0.33US postage for 7 cards and \$0.55 for 15 cards. Put your call in large letters (legible) in return address area.

The point of this is: just on 10M today I was able to work a large group of FISTS and picked up some juicy states like RI, MT, ME, CT, CA, UT, DE, and more that I won't bother bragging on. All this with the usual 0.95W into the wire antenna in the treetops. Well, almost treetops.... This is the one band that you can more easily get DXCC under 5W than any other. Has to do with a lot of Physics and S/(S+N) and propagation...

So, the rush is on for this sunspot cycle. For those that have been licensed less than 10 years you are in for a treat. You have probably been asking yourself - what use is this band? I never hear anything on it. Well, just wait until one day you work all Continents in less than 20 minutes and you are running only 5W or less. It is indeed a thrill. I've done it mobile SSB. :-)
Don't tell anyone that I can talk. OK? ;-)
Just listen slow so that you can understand me.

And the group will work you at your speed on CW. I find most of the guys and girls on 10M I've worked are just under 20WPM. Some are QRP but most are not but they do have good receivers or seem to.

You will get clobbered once in a while so don't take it personal.
Even though 10M has a lot of space the watering hole is crowded
in spots. You know the effect.

For those that can't surf.

Membership \$15/yr FISTS, Nancy Kott WZ8C, POBox 47, Hadley, MI 48440

Buro SASEs (#10) send them several at one time and they'll notify
you when you are on the last one

FISTS QSL Bureau, c/o Stan Reas K4UK, 1020 Long Island Dr,
Moneta VA 24121

Joe KK5NA@quadj.com for FISTS presentation that you can give at
meetings, etc.

If you need a sponsor, put me down. I'll trust that you know the
code and won't make me look too bad..... :-)

One of the thing that I note on the FISTS exchange the first time
around:

CALL NAME QTH RST FISTS# CC#

looks like some kind of fox exchange. Good CW practice as it is
random code groups, you will be concentrating through the QRM/QRN/CB...
junk, and you'll find it getting easier the more you do it. Make
it fun.

So, the rush is on now for 10 meter QRP rigs..... There is still
the deal on for 10M that a few are or may be still trying for and I
will not repost that info..... ;-)

And when 10M dies for the day we'll all come down to 20M and work
the NC20s. So many bands and so little time.

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Wed, 17 Mar 99 17:31:59 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [35828] RH20 case screws
Message-ID: <E10N0xo-0004cu-00@smtp.ticnet.com>

Gang,

The screws can be replaced with the slotted or phillips head puppies that you can probably pick up at Ace Hardware (John "Ace is the Place" Madden) or other fine stores near you. Probably Radio Shack also.

Probably some shade of red fingernail polish or laquer to match the anodized aluminum also for the purists.

I like the allen head screws for security reasons also.

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Wed, 17 Mar 1999 18:29:51 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:vole@primenet.com" <vole@primenet.com>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [35829] Re: AB7TT's 30m DX-Bagging Station
Message-ID: <199903171832_MC2-6E62-A7A9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Joe:

Gotta say something about the wild DX ride right now on 30 :-). Have been finding the same results as you have been reporting. Last evening got 4 countries, including ES1ZZ.....but only after considerable struggle (=

time) with the pileup. Couldn't figure out what was wrong.

I have two antennas. One is an Antennas West TNT/2 Windom at 33 feet, oriented to fire east and west. The other is a HB multiband wire vertical with a single radial. This antenna looks like an "L" when properly installed. It covers 40-10, minus 17 in my case. Works like a champ, and even bagged a few FOXes this season.

Well last evening but the DX was not coming back as expected. Most DX were replying "QRZ zero...?", etc. Eventually we got the exchanges done. Made me wonder what was going on.

So I got an electric torch and traipsed out in the high wind and blowing snow. The radial of the wire vertical was where I expected it to be, etc. But guess what?--the vertical part had blown down during high winds over the last couple of days.....and was lying there all in a heap! Wow. So I had actually worked the DX with a new type of antenna I will call an WHA, for Wire Heap Antenna. Goes to show that QRP can be enough power even for DX and with very poor antennas. Hmmm.....

Will be back on there tonight, with a newly re-raised wire vertical, you can bet :-).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 7187

Bismarck, ND 58507

70511.3041@compuserve.com

Date: Wed, 17 Mar 1999 15:34:22 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: adams@ticnet.com, qrp-l@lehigh.edu
Subject: [35830] Re: Some FISTS info and 10M [long]
Message-ID: <36F03BFE.63F@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Or you can put ME down as a sponsor...K7GT FISTS #3222.

I have been playing a double game on 10m. I will call CQ or CQ TENX (for TEN-TEN) and loop for a reply from someone that is both in FISTS and 10-10. We call those a double-whammy. I never got down to that stage today, though. Too much DX to chase!

--

```

                                     |
                                   /|
                                 /  |
                               /    |
Allan Taylor, PE  K7GT           | /Z | \
    k7gt@arrl.net              /| /599| \   QRP-L 1016 FISTS 3222
operating nr SF/Oakland CA    /_ | /____|__ \_  ARS 228    10X 69929
..."QRP, QRO, or barefoot..."... [\--=====~/  DXCC 8171/CW 1395/40m
~~~~~
```

Date: Wed, 17 Mar 1999 18:48:34 EST
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [35831] NC20 Is A Winner!
Message-ID: <754a401.36f03f52@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

Thanks to some expert counsel, I now have my NC20 firing on all cylinders. This little rig is quite a performer. The receiver is outstanding. If you don't have one, you will definitely want to put yourself on the list for the "Red Hot" version. I will probably want to put myself on the list for the 40 meter version.

To Maestro Fifield I wish to pass on "my compliments to the chef!" I also think a bunch of credit goes to Gary, AB7MY, Dave, W6EMD, Mike, K1MG, and (probably several others) for some very effective contributions to the quality of this rig. But Dave Fifield describes it best-- we now have a "proper" radio. Don't you love it?

72 de Dave W7AQK

End of QRP-L Digest 1398
